

HELOC[®] PRO

GS10-B144-TF
(525 Wp - 540 Wp)



High Saving

Lower LCOE, reduced BOS cost,
shorter payback time



High Efficiency

Excellent module conversion
efficiency of up to 20.92%



Low-light Performance

Advanced glass and cell surface textured design
ensure excellent performance in low-light environment



PID Resistance

Excellent Anti-PID Performance guarantee
limited power degradation for mass production



IP68 Junction Box

High waterproof level



INDUSTRY LEADING PROTECTION



12 Years Warranty For
Materials And Processing



25 Years Warranty For
Linear Power Output

BEST IN Grade Quality Class Results

TECHNICAL DATA

Electrical Parameter at STC		Bifacial Monocrystalline Module			
Module Type		GS10-B144-TF			
Capacity rating – Pmax(Wp)		525	530	535	540
Power Tolerance (%)		0-2	0-2	0-2	0-2
Module efficiency (%)		20.34	20.53	20.73	20.92
Rated voltage - Vmp(V)		40.88	41.05	41.20	41.39
Rated current - Imp(A)		12.84	12.91	12.98	13.05
Open circuit voltage - Voc(V)		48.72	48.91	49.10	49.29
Short circuit current - Isc(A)		13.43	13.51	13.59	13.67

Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C. Except Pmax, all other parameters have a tolerance of ±3%.

Electrical Parameter at NOCT

Capacity rating – Pmax(Wp)	388.6	392.35	396	399.75
Rated voltage - Vmp(V)	38.13	38.28	38.42	38.60
Rated current - Imp(A)	10.19	10.24	10.30	10.35
Open circuit voltage - Voc(V)	45.56	45.74	45.92	46.09
Short circuit current - Isc(A)	10.81	10.88	10.94	11.01

Irradiance 800 W/m², ambient temperature 20°C, Module temperature 45°C, wind speed 1 m/sec

BI-FACIAL : PMAX WITH REAR SIDE POWER GAIN*

5% Gain	551	557	562	567
10% Gain	578	583	589	594
15% Gain	604	610	615	621
20% Gain	630	636	642	648
25% Gain	656	663	669	675
30 % Gain	683	689	696	702

Additional power gain from rear side compared to power of front side at STC depends on mounting structure (height, tilt angle etc.) and reflectivity of ground.

Bi-Faciality Factor : 70 ± 5 %

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to +85°C
Maximum system voltage	1500 VDC
NOCT	45± 2°C
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s

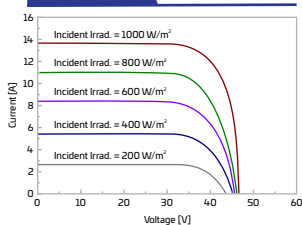
TEMPERATURE COEFFICIENTS (TC)

Temperature Coefficient (Voc)	-0.28% /°C
Temperature Coefficient (Isc)	0.048% /°C
Temperature Coefficient (Pmax)	-0.35% /°C

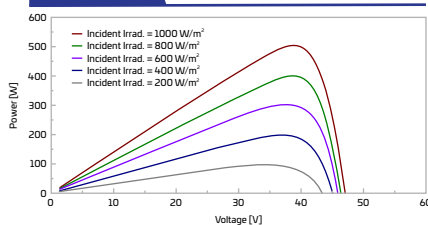
PACKAGING CONFIGURATION**

Number of Modules per Pallet	31
No of pallet	20
No of module, 40ft HC container	620

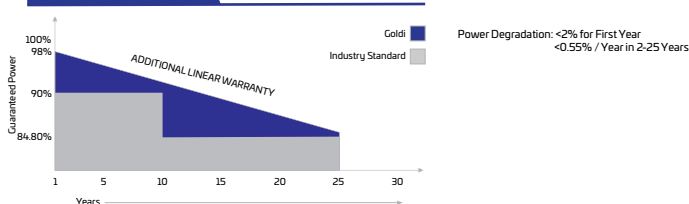
IV CURVE



PV CURVE



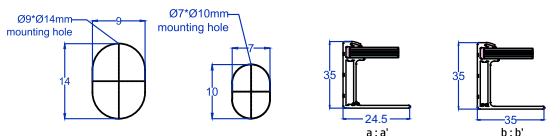
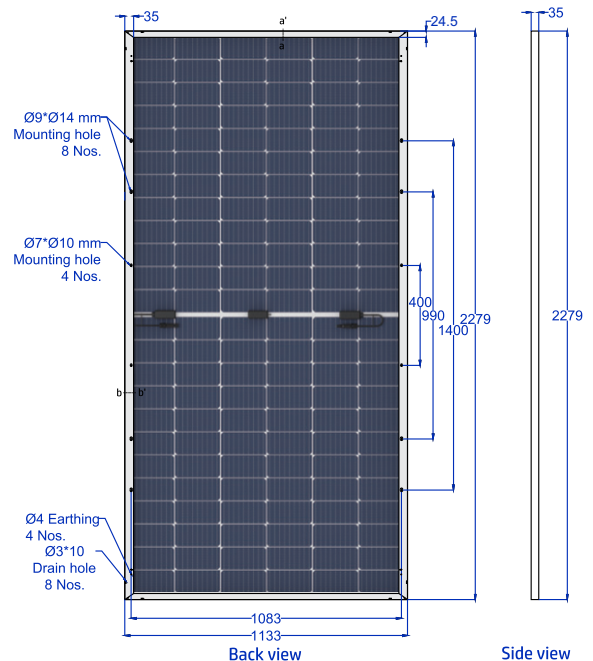
LINEAR GRAPH



MECHANICAL SPECIFICATION

Solar cells	144 pcs Bifacial monocrystalline Silicon(PERC), Multi BB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate) Encapsulant, UV and Weather stable
Backside	Transparent backsheet-White/Black Mesh Type
Frame	Anodized Aluminium Alloy-Silver/Black
Solar Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Dimensions	(L) 2279 mm x (W) 1133 mm x (H) 35 mm
Weight	~28 Kg
J-box	IP 68 certified, 3 diodes, Split junction box
Series Fuse Rating	25 A
Cable	4 mm ² , Solar cable 400 mm length or Customized length
Connectors	MC4 Type
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Surface load	Snow load 5400 Pa, Wind load 2400 Pa

DRAWING (MEASUREMENTS ARE IN MM)



PRODUCT CERTIFICATIONS

IEC 61215: 2016, IEC 61730: 2016, IS 14286:2010/IEC 61215:2005,
IS/IEC 61730-1 & 2: 2004
UL 61730-1 & 2, IEC 61701, IEC 62716, IEC 62804, IEC 60068-2-68, CEC

MANAGEMENT SYSTEM CERTIFICATIONS



UTILITY | INDUSTRIAL | AGRICULTURE | RESIDENTIAL | INSTITUTIONAL

- **Quantity of modules/container may get changed without prior notice. Confirm with our sales representative before placing order.
- For handling & installation instructions, refer to Goldi's installation manual available on the company website
- Before placing an order, confirm your requirements with our sales representative
- The electrical data provided here is for reference purposes only
- Dispose of a product as e-waste after the end of its working life
- Refer to Goldi's warranty document for terms and conditions
- Due to constant product modifications, Goldi reserves the right to amend the above specifications without prior notice
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(525 Wp - 550 Wp)



High Saving

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PID Resistance

Excellent Anti-PID Performance guarantee
limited power degradation for mass production



High Efficiency

Excellent module conversion
efficiency of up to 21.31%



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Module Type	GS10-B144-TF					
Capacity rating – Pmax(Wp)	525	530	535	540	545	550
Power Tolerance (%)	0-2	0-2	0-2	0-2	0-2	0-2
Module efficiency (%)	20.34	20.53	20.73	20.92	21.12	21.31
Rated voltage - Vmp(V)	40.88	41.05	41.20	41.39	41.55	41.71
Rated current - Imp(A)	12.84	12.91	12.98	13.05	13.12	13.19
Open circuit voltage - Voc(V)	48.72	48.91	49.10	49.29	49.48	49.67
Short circuit current - Isc(A)	13.43	13.51	13.59	13.67	13.75	13.83

Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C. Except Pmax, all other parameters have a tolerance of ±3%.

Electrical Parameter at NOCT

Capacity rating – Pmax(Wp)	388	392	396	399	403	407
Rated voltage - Vmp(V)	38.13	38.28	38.42	38.60	38.75	38.90
Rated current - Imp(A)	10.19	10.24	10.30	10.35	10.41	10.47
Open circuit voltage - Voc(V)	45.56	45.74	45.92	46.09	46.27	46.45
Short circuit current - Isc(A)	10.81	10.88	10.94	11.01	11.07	11.14

Irradiance 800 W/m², ambient temperature 20°C, Module temperature 45°C, wind speed 1 m/sec

BI-FACIAL : PMAX WITH REAR SIDE POWER GAIN*

5% Gain	551	557	562	567	572	578
10% Gain	578	583	589	594	600	605
15% Gain	604	610	615	621	627	633
20% Gain	630	636	642	648	654	660
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30 % Gain	683	689	696	702	709	715

Additional power gain from rear side compared to power of front side at STC depends on mounting structure (height, tilt angle etc.) and reflectivity of ground.

Bi-Faciality Factor : 70 ± 5 %

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to + 85°C
Maximum system voltage	1500 VDC
NOCT	45± 2°C
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s

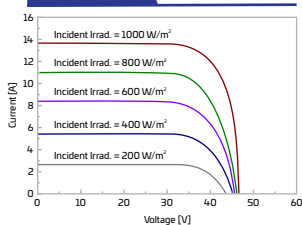
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Temperature Coefficient (Pmax)	-0.35% /°C

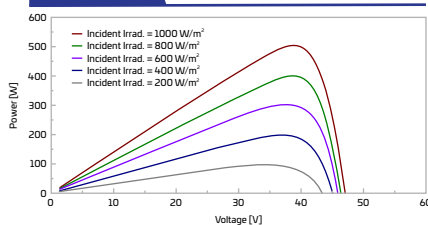
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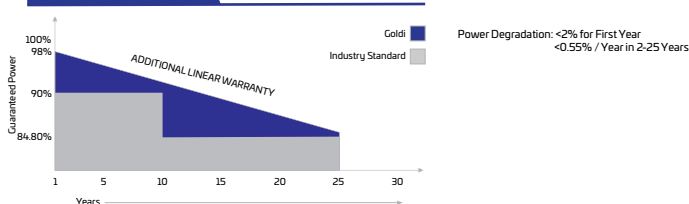
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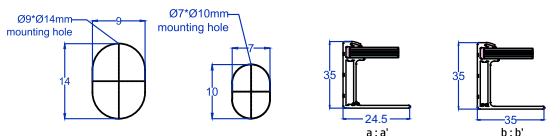
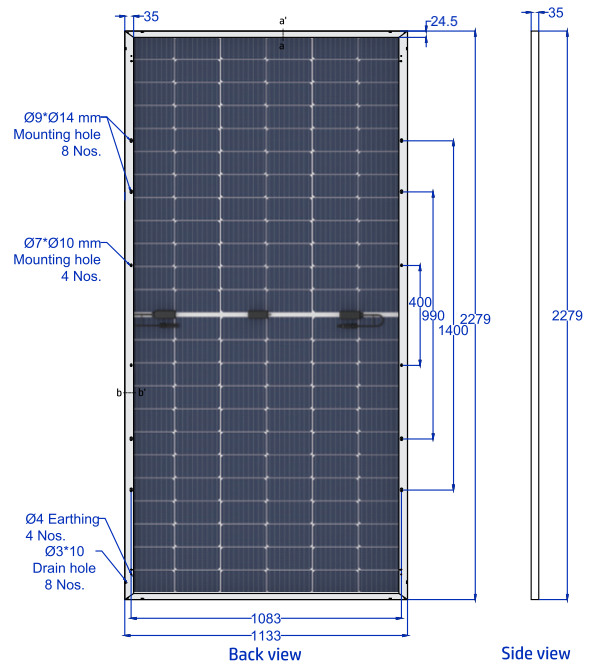
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Backside	Transparent backsheet-White/Black Mesh Type
Frame	Anodized Aluminium Alloy-Silver/Black
Solar Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Dimensions	(L) 2279 mm x (W) 1133 mm x (H) 35 mm
Weight	~28 Kg
J-box	IP 68 certified, 3 diodes, Split junction box
Series Fuse Rating	25 A
Cable	4 mm ² , Solar cable 400 mm length or Customized length
Connectors	MC4 Type
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Surface load	Snow load 5400 Pa, Wind load 2400 Pa

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MANAGEMENT SYSTEM CERTIFICATIONS



ISO 9001
ISO 14001
ISO 45001

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**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME**
CB TEST CERTIFICATE

Product

Photovoltaic Module (Crystalline Silicon)

Name and address of the applicant

GOLDI SOLAR PRIVATE LIMITED
Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump
Pipodara NH 8, Dist
Surat, Gujarat 394110 India

Name and address of the manufacturer

GOLDI SOLAR PRIVATE LIMITED
Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump
Pipodara NH 8, Dist
Surat, Gujarat 394110 India

Name and address of the factory

Note: When more than one factory, please report on page 2

GOLDI SOLAR PRIVATE LIMITED
Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump
Pipodara NH 8, Dist
Surat, Gujarat 394110 India

☐ Additional Information on page 2

Ratings and principal characteristics

Maximum system voltage 1500V DC
Maximum over-current protection rating: 20A
See Test Report, "Product Electrical Ratings" for electrical ratings
for all models.


Trademark / Brand (if any)

Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

GOLDI032FXXXPRC24B Series, See Page 2

Additional information (if necessary may also be
reported on page 2)

☐ Additional Information on page 2

A sample of the product was tested and found
to be in conformity with

IEC 61215-1-1:2016, IEC 61215-1:2016, IEC 61215-2:2016

As shown in the Test Report Ref. No. which forms part
of this Certificate

E478476-4788869234-D1 issued on 2019-11-28

This CB Test Certificate is issued by the National Certification Body


UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2019-12-05

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-34919-UL**Model Details:**

GOLDI032FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 150 to 170 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI032F150PRC12, GOLDI032F150PRC12B
GOLDI032F155PRC12, GOLDI032F155PRC12B
GOLDI032F160PRC12, GOLDI032F160PRC12B
GOLDI032F165PRC12, GOLDI032F165PRC12B
GOLDI032F170PRC12, GOLDI032F170PRC12B

GOLDI032FXXXPY24B Series where XXX denotes maximum power (Pmp) from 135 to 155 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI032F135PY12, GOLDI032F135PY12B
GOLDI032F140PY12, GOLDI032F140PY12B
GOLDI032F145PY12, GOLDI032F145PY12B
GOLDI032F150PY12, GOLDI032F150PY12B
GOLDI032F155PY12, GOLDI032F155PY12B

GOLDI036FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 165 to 195 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI036F165PRC12, GOLDI036F165PRC12B
GOLDI036F170PRC12, GOLDI036F170PRC12B
GOLDI036F175PRC12, GOLDI036F175PRC12B
GOLDI036F180PRC12, GOLDI036F180PRC12B
GOLDI036F185PRC12, GOLDI036F185PRC12B
GOLDI036F190PRC12, GOLDI036F190PRC12B
GOLDI036F195PRC12, GOLDI036F195PRC12B

GOLDI036FXXXPY24B Series where XXX denotes maximum power (Pmp) from 150 to 175 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI036F150PY12, GOLDI036F150PY12B
GOLDI036F155PY12, GOLDI036F155PY12B
GOLDI036F160PY12, GOLDI036F160PY12B
GOLDI036F165PY12, GOLDI036F165PY12B
GOLDI036F170PY12, GOLDI036F170PY12B
GOLDI036F175PY12, GOLDI036F175PY12B

Additional information (if necessary)

☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

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Model Details:

GOLDI048FXXXP24B Series where XXX denotes maximum power (Pmp) from 225 to 260 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI048F225PRC12, GOLDI048F225PRC12B

GOLDI048F230PRC12, GOLDI048F230PRC12B

GOLDI048F235PRC12, GOLDI048F235PRC12B

GOLDI048F240PRC12, GOLDI048F240PRC12B

GOLDI048F245PRC12, GOLDI048F245PRC12B

GOLDI048F250PRC12, GOLDI048F250PRC12B

GOLDI048F255PRC12, GOLDI048F255PRC12B

GOLDI048F260PRC12, GOLDI048F260PRC12B

GOLDI048FXXXPY24B Series where XXX denotes maximum power (Pmp) from 205 to 235 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI048F205PY12, GOLDI048F205PY12B

GOLDI048F210PY12, GOLDI048F210PY12B

GOLDI048F215PY12, GOLDI048F215PY12B

GOLDI048F220PY12, GOLDI048F220PY12B

GOLDI048F225PY12, GOLDI048F225PY12B

GOLDI048F230PY12, GOLDI048F230PY12B

GOLDI048F235PY12, GOLDI048F235PY12B

GOLDI054FXXXP24B Series where XXX denotes maximum power (Pmp) from 250 to 290 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI054F250PRC24, GOLDI054F250PRC24B

GOLDI054F255PRC24, GOLDI054F255PRC24B

GOLDI054F260PRC24, GOLDI054F260PRC24B

GOLDI054F265PRC24, GOLDI054F265PRC24B

GOLDI054F270PRC24, GOLDI054F270PRC24B

GOLDI054F275PRC24, GOLDI054F275PRC24B

GOLDI054F280PRC24, GOLDI054F280PRC24B

GOLDI054F285PRC24, GOLDI054F285PRC24B

GOLDI054F290PRC24, GOLDI054F290PRC24B

GOLDI054FXXXPY24B Series where XXX denotes maximum power (Pmp) from 230 to 265 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI054F230PY12, GOLDI054F230PY12B

GOLDI054F235PY12, GOLDI054F235PY12B

GOLDI054F240PY12, GOLDI054F240PY12B

GOLDI054F245PY12, GOLDI054F245PY12B

GOLDI054F250PY12, GOLDI054F250PY12B

GOLDI054F255PY12, GOLDI054F255PY12B

GOLDI054F260PY12, GOLDI054F260PY12B

GOLDI054F265PY12, GOLDI054F265PY12B

Additional information (if necessary)



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Model Details:

GOLDI060FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 280 to 325 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI060F280PRC24, GOLDI060F280PRC24B

GOLDI060F285PRC24, GOLDI060F285PRC24B

GOLDI060F290PRC24, GOLDI060F290PRC24B

GOLDI060F295PRC24, GOLDI060F295PRC24B

GOLDI060F300PRC24, GOLDI060F300PRC24B

GOLDI060F305PRC24, GOLDI060F305PRC24B

GOLDI060F310PRC24, GOLDI060F310PRC24B

GOLDI060F315PRC24, GOLDI060F315PRC24B

GOLDI060F320PRC24, GOLDI060F320PRC24B

GOLDI060F325PRC24, GOLDI060F325PRC24B

GOLDI060FXXXPY24B Series where XXX denotes maximum power (Pmp) from 255 to 295 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI060F255PY24, GOLDI060F255PY24B

GOLDI060F260PY24, GOLDI060F260PY24B

GOLDI060F265PY24, GOLDI060F265PY24B

GOLDI060F270PY24, GOLDI060F270PY24B

GOLDI060F275PY24, GOLDI060F275PY24B

GOLDI060F280PY24, GOLDI060F280PY24B

GOLDI060F285PY24, GOLDI060F285PY24B

GOLDI060F290PY24, GOLDI060F290PY24B

GOLDI060F295PY24, GOLDI060F295PY24B

GOLDI066FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 310 to 355 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI066F310PRC24, GOLDI066F310PRC24B

GOLDI066F315PRC24, GOLDI066F315PRC24B

GOLDI066F320PRC24, GOLDI066F320PRC24B

GOLDI066F325PRC24, GOLDI066F325PRC24B

GOLDI066F330PRC24, GOLDI066F330PRC24B

GOLDI066F335PRC24, GOLDI066F335PRC24B

GOLDI066F340PRC24, GOLDI066F340PRC24B

GOLDI066F345PRC24, GOLDI066F345PRC24B

GOLDI066F350PRC24, GOLDI066F350PRC24B

GOLDI066F355PRC24, GOLDI066F355PRC24B

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GOLDI066FXXXPY24B Series where XXX denotes maximum power (Pmp) from 280 to 325 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI066F280PY24, GOLDI066F280PY24B

GOLDI066F285PY24, GOLDI066F285PY24B

GOLDI066F290PY24, GOLDI066F290PY24B

GOLDI066F295PY24, GOLDI066F295PY24B

GOLDI066F300PY24, GOLDI066F300PY24B

GOLDI066F305PY24, GOLDI066F305PY24B

GOLDI066F310PY24, GOLDI066F310PY24B

GOLDI066F315PY24, GOLDI066F315PY24B

GOLDI066F320PY24, GOLDI066F320PY24B

GOLDI066F325PY24, GOLDI066F325PY24B

GOLDI072FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 340 to 400 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI072F340PRC24, GOLDI072F340PRC24B

GOLDI072F345PRC24, GOLDI072F345PRC24B

GOLDI072F350PRC24, GOLDI072F350PRC24B

GOLDI072F355PRC24, GOLDI072F355PRC24B

GOLDI072F360PRC24, GOLDI072F360PRC24B

GOLDI072F365PRC24, GOLDI072F365PRC24B

GOLDI072F370PRC24, GOLDI072F370PRC24B

GOLDI072F375PRC24, GOLDI072F375PRC24B

GOLDI072F380PRC24, GOLDI072F380PRC24B

GOLDI072F385PRC24, GOLDI072F385PRC24B

GOLDI072F390PRC24, GOLDI072F390PRC24B

GOLDI072F395PRC24, GOLDI072F395PRC24B

GOLDI072F400PRC24, GOLDI072F400PRC24B

GOLDI072FXXXPY24B Series where XXX denotes maximum power (Pmp) from 315 to 360 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI072F315PY24, GOLDI072F315PY24B

GOLDI072F320PY24, GOLDI072F320PY24B

GOLDI072F325PY24, GOLDI072F325PY24B

GOLDI072F330PY24, GOLDI072F330PY24B

GOLDI072F335PY24, GOLDI072F335PY24B

GOLDI072F340PY24, GOLDI072F340PY24B

GOLDI072F345PY24, GOLDI072F345PY24B

GOLDI072F350PY24, GOLDI072F350PY24B

GOLDI072F355PY24, GOLDI072F355PY24B

GOLDI072F360PY24, GOLDI072F360PY24B

Additional information (if necessary)



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2019-12-05

Signature:

Jolanta M. Wroblewska

TEST CERTIFICATE

The product Photovoltaic Module has been tested by UL India Private Limited and found to comply in accordance with the Standard indicated on this report.

Certificate Number: 4788489508.2.1-NABL-S1

Issue Date: 28/08/2018

Applicant: GOLDI SOLAR PRIVATE LIMITED
(Formerly Goldi Green Technologies Pvt. Ltd.)
Block No.149, Plot No. J & K1, Beside IOC Petrol Pump
Pipodara NH 8, Dist - Surat, Gujarat, 394110, INDIA

Manufacturer: GOLDI SOLAR PRIVATE LIMITED
(Formerly Goldi Green Technologies Pvt. Ltd.)
Block No.149, Plot No. J & K1, Beside IOC Petrol Pump
Pipodara NH 8, Dist - Surat, Gujarat, 394110, INDIA

Tested Model: GOLDI072F325PY24, 325W (Refer Report No.4788489508.2.1-NABL-S1 for BOM & Test details)

Models Covered:

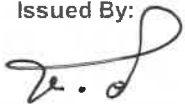
Poly Crystalline Cell Models :

GOLDI144C315PY24, GOLDI144C320PY24, GOLDI144C325PY24, GOLDI144C330PY24, GOLDI144C335PY24, GOLDI144C340PY24, GOLDI144C345PY24, GOLDI144C350PY24, GOLDI120C260PY24, GOLDI120C265PY24, GOLDI120C270PY24, GOLDI120C275PY24, GOLDI120C280PY24, GOLDI120C285PY24, GOLDI072F315PY24, GOLDI072F320PY24, GOLDI072F325PY24, GOLDI072F330PY24, GOLDI072F335PY24, GOLDI072F340PY24, GOLDI072F345PY24, GOLDI072F350PY24, GOLDI072C240PY24, GOLDI072C250PY24, GOLDI072C260PY24, GOLDI066F290PY24, GOLDI066F295PY24, GOLDI066F300PY24, GOLDI066F305PY24, GOLDI066F310PY24, GOLDI060F260PY24, GOLDI060F265PY24, GOLDI060F270PY24, GOLDI060F275PY24, GOLDI060F280PY24, GOLDI060F285PY24, GOLDI054F235PY12, GOLDI054F240PY12, GOLDI054F245PY12, GOLDI054F250PY12, GOLDI054F255PY12, GOLDI048F210PY12, GOLDI048F215PY12, GOLDI048F220PY12, GOLDI048F225PY12, GOLDI036F155PY12, GOLDI036F160PY12, GOLDI036F165PY12, GOLDI036F170PY12, GOLDI036C135PY12, GOLDI036C130PY12, GOLDI036C125PY12, GOLDI036C120PY12, GOLDI036C115PY12, GOLDI036C110PY12, GOLDI036C100PY12, GOLDI036C095PY12, GOLDI036C090PY12, GOLDI036C080PY12, GOLDI036C075PY12, GOLDI036C060PY12, GOLDI036C055PY12, GOLDI036C050PY12, GOLDI036C045PY12, GOLDI036C040PY12, GOLDI036C037PY12, GOLDI036C035PY12, GOLDI036C030PY12, GOLDI036C025PY12, GOLDI036C020PY12, GOLDI036C015PY12, GOLDI036C012PY12, GOLDI036C010PY12, GOLDI032F140PY12, GOLDI032F145PY12, GOLDI032F150PY12, GOLDI032C100PY12, GOLDI032C075PY12, GOLDI032C060PY12, GOLDI032C040PY12, GOLDI018C006PY06, GOLDI018C005PY06, GOLDI018C003PY06

Page 1

Disclaimer: Test results apply only to the sample(s) actually tested by UL India Private Limited. The client provided all of the test samples for testing by UL. UL did not select the samples or determine whether the samples provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The client and or manufacturer are solely and fully responsible for conformity of all products to all applicable standards, specifications or requirements. UL Logo and Marks shall not be used in connection with the above tested product(s). Only those products bearing the UL Listing and Classification Marks should be considered as being covered by UL's Listing. Classification and Follow-Up Service. Look for the UL Listing and Classification Mark on the product.

Issued By:



Mahesh V

UL India Private Limited.

Authorized By



Sriparn Saurabh

UL India Private Limited



Mono Crystalline PERC Cell Models:

GOLDI144C340PRC24, GOLDI144C345PRC24, GOLDI144C350PRC24, GOLDI144C355PRC24, GOLDI144C360PRC24, GOLDI144C365PRC24, GOLDI144C370PRC24, GOLDI144C375PRC24, GOLDI144C380PRC24, GOLDI144C385PRC24, GOLDI144C390PRC24, GOLDI120C290PRC24, GOLDI120C295PRC24, GOLDI120C300PRC24, GOLDI120C305PRC24, GOLDI120C310PRC24, GOLDI120C315PRC24, GOLDI120C320PRC24, GOLDI120C325PRC24, GOLDI072F340PRC24, GOLDI072F345PRC24, GOLDI072F350PRC24, GOLDI072F355PRC24, GOLDI072F360PRC24, GOLDI072F365PRC24, GOLDI072F370PRC24, GOLDI072F375PRC24, GOLDI072F380PRC24, GOLDI072F385PRC24, GOLDI072F390PRC24, GOLDI072F395PRC24, GOLDI072F400PRC24, GOLDI066F320PRC24, GOLDI066F325PRC24, GOLDI066F330PRC24, GOLDI066F335PRC24, GOLDI066F340PRC24, GOLDI066F345PRC24, GOLDI066F350PRC24, GOLDI066F355PRC24, GOLDI060F290PRC24, GOLDI060F295PRC24, GOLDI060F300PRC24, GOLDI060F305PRC24, GOLDI060F310PRC24, GOLDI060F315PRC24, GOLDI060F320PRC24, GOLDI060F325PRC24, GOLDI054F255PRC24, GOLDI054F260PRC24, GOLDI054F265PRC24, GOLDI054F270PRC24, GOLDI054F275PRC24, GOLDI054F280PRC24, GOLDI054F285PRC24, GOLDI048F230PRC12, GOLDI048F235PRC12, GOLDI048F240PRC12, GOLDI048F245PRC12, GOLDI048F250PRC12, GOLDI048F255PRC12, GOLDI048F260PRC12, GOLDI036F170PRC12, GOLDI036F175PRC12, GOLDI036F180PRC12, GOLDI036F185PRC12, GOLDI036F190PRC12, GOLDI036F195PRC12, GOLDI036C145PRC12, GOLDI036F140PRC12, GOLDI036F135PRC12, GOLDI036C130PRC12, GOLDI036C125PRC12, GOLDI036C120PRC12, GOLDI036C115PRC12, GOLDI036C110PRC12, GOLDI036C105PRC12, GOLDI036C100PRC12, GOLDI036C095PRC12, GOLDI036C090PRC12, GOLDI036C080PRC12, GOLDI036C075PRC12, GOLDI036C070PRC12, GOLDI036C065PRC12, GOLDI036C060PRC12, GOLDI036C055PRC12, GOLDI036C050PRC12, GOLDI036C045PRC12, GOLDI036C040PRC12, GOLDI036C037PRC12, GOLDI036C035PRC12, GOLDI036C030PRC12, GOLDI036C025PRC12, GOLDI036C020PRC12, GOLDI036C015PRC12, GOLDI036C012PRC12, GOLDI036C010PRC12, GOLDI032F155PRC12, GOLDI032F160PRC12, GOLDI032F165PRC12, GOLDI032F170PRC12, GOLDI032C110PRC12, GOLDI032C080PRC12, GOLDI032C060PRC12, GOLDI032C040PRC12, GOLDI018C006PRC12, GOLDI018C005PRC06, GOLDI018C003PRC06

Standard(s): IEC 61701 - Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Salt Mist Corrosion Testing – Edition 2, Issue Date 2011/12/01, Severity Level - 3.

Page 2

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Issued By



Mahesh V

UL India Private Limited.

Authorized By



Sripam Saurabh

UL India Private Limited



**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME**
CB TEST CERTIFICATE

Product

Photovoltaic Module (Crystalline Silicon)

Name and address of the applicant

GOLDI SOLAR PRIVATE LIMITED
Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump
Pipodara NH 8, Dist
Surat, Gujarat 394110 India

Name and address of the manufacturer

GOLDI SOLAR PRIVATE LIMITED
Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump
Pipodara NH 8, Dist
Surat, Gujarat 394110 India

Name and address of the factory

Note: When more than one factory, please report on page 2

GOLDI SOLAR PRIVATE LIMITED
Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump
Pipodara NH 8, Dist
Surat, Gujarat 394110 India

☐ Additional Information on page 2

Ratings and principal characteristics

Maximum system voltage 1500V DC
Maximum over-current protection rating: 20A
See Test Report, "Product Electrical Ratings" for electrical ratings
for all models.



Trademark / Brand (if any)

Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

GOLDI032FXXXPRC24B Series, See Page 2

Additional information (if necessary may also be reported on page 2)

☐ Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 61730-1:2016, IEC 61730-2:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E478476-4788869234-D2 issued on 2019-11-28

This CB Test Certificate is issued by the National Certification Body



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2019-12-05

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-34921-UL**Model Details:**

GOLDI032FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 150 to 170 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI032F150PRC12, GOLDI032F150PRC12B
GOLDI032F155PRC12, GOLDI032F155PRC12B
GOLDI032F160PRC12, GOLDI032F160PRC12B
GOLDI032F165PRC12, GOLDI032F165PRC12B
GOLDI032F170PRC12, GOLDI032F170PRC12B

GOLDI032FXXXPY24B Series where XXX denotes maximum power (Pmp) from 135 to 155 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI032F135PY12, GOLDI032F135PY12B
GOLDI032F140PY12, GOLDI032F140PY12B
GOLDI032F145PY12, GOLDI032F145PY12B
GOLDI032F150PY12, GOLDI032F150PY12B
GOLDI032F155PY12, GOLDI032F155PY12B

GOLDI036FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 165 to 195 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI036F165PRC12, GOLDI036F165PRC12B
GOLDI036F170PRC12, GOLDI036F170PRC12B
GOLDI036F175PRC12, GOLDI036F175PRC12B
GOLDI036F180PRC12, GOLDI036F180PRC12B
GOLDI036F185PRC12, GOLDI036F185PRC12B
GOLDI036F190PRC12, GOLDI036F190PRC12B
GOLDI036F195PRC12, GOLDI036F195PRC12B

GOLDI036FXXXPY24B Series where XXX denotes maximum power (Pmp) from 150 to 175 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI036F150PY12, GOLDI036F150PY12B
GOLDI036F155PY12, GOLDI036F155PY12B
GOLDI036F160PY12, GOLDI036F160PY12B
GOLDI036F165PY12, GOLDI036F165PY12B
GOLDI036F170PY12, GOLDI036F170PY12B
GOLDI036F175PY12, GOLDI036F175PY12B

Additional information (if necessary)

☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2019-12-05

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-34921-UL

Model Details:

GOLDI048FXXXP24B Series where XXX denotes maximum power (Pmp) from 225 to 260 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI048F225PRC12, GOLDI048F225PRC12B

GOLDI048F230PRC12, GOLDI048F230PRC12B

GOLDI048F235PRC12, GOLDI048F235PRC12B

GOLDI048F240PRC12, GOLDI048F240PRC12B

GOLDI048F245PRC12, GOLDI048F245PRC12B

GOLDI048F250PRC12, GOLDI048F250PRC12B

GOLDI048F255PRC12, GOLDI048F255PRC12B

GOLDI048F260PRC12, GOLDI048F260PRC12B

GOLDI048FXXXPY24B Series where XXX denotes maximum power (Pmp) from 205 to 235 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI048F205PY12, GOLDI048F205PY12B

GOLDI048F210PY12, GOLDI048F210PY12B

GOLDI048F215PY12, GOLDI048F215PY12B

GOLDI048F220PY12, GOLDI048F220PY12B

GOLDI048F225PY12, GOLDI048F225PY12B

GOLDI048F230PY12, GOLDI048F230PY12B

GOLDI048F235PY12, GOLDI048F235PY12B

GOLDI054FXXXP24B Series where XXX denotes maximum power (Pmp) from 250 to 290 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI054F250PRC24, GOLDI054F250PRC24B

GOLDI054F255PRC24, GOLDI054F255PRC24B

GOLDI054F260PRC24, GOLDI054F260PRC24B

GOLDI054F265PRC24, GOLDI054F265PRC24B

GOLDI054F270PRC24, GOLDI054F270PRC24B

GOLDI054F275PRC24, GOLDI054F275PRC24B

GOLDI054F280PRC24, GOLDI054F280PRC24B

GOLDI054F285PRC24, GOLDI054F285PRC24B

GOLDI054F290PRC24, GOLDI054F290PRC24B

GOLDI054FXXXPY24B Series where XXX denotes maximum power (Pmp) from 230 to 265 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI054F230PY12, GOLDI054F230PY12B

GOLDI054F235PY12, GOLDI054F235PY12B

GOLDI054F240PY12, GOLDI054F240PY12B

GOLDI054F245PY12, GOLDI054F245PY12B

GOLDI054F250PY12, GOLDI054F250PY12B

GOLDI054F255PY12, GOLDI054F255PY12B

GOLDI054F260PY12, GOLDI054F260PY12B

GOLDI054F265PY12, GOLDI054F265PY12B

Additional information (if necessary)



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2019-12-05

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-34921-UL

Model Details:

GOLDI060FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 280 to 325 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI060F280PRC24, GOLDI060F280PRC24B

GOLDI060F285PRC24, GOLDI060F285PRC24B

GOLDI060F290PRC24, GOLDI060F290PRC24B

GOLDI060F295PRC24, GOLDI060F295PRC24B

GOLDI060F300PRC24, GOLDI060F300PRC24B

GOLDI060F305PRC24, GOLDI060F305PRC24B

GOLDI060F310PRC24, GOLDI060F310PRC24B

GOLDI060F315PRC24, GOLDI060F315PRC24B

GOLDI060F320PRC24, GOLDI060F320PRC24B

GOLDI060F325PRC24, GOLDI060F325PRC24B

GOLDI060FXXXPY24B Series where XXX denotes maximum power (Pmp) from 255 to 295 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI060F255PY24, GOLDI060F255PY24B

GOLDI060F260PY24, GOLDI060F260PY24B

GOLDI060F265PY24, GOLDI060F265PY24B

GOLDI060F270PY24, GOLDI060F270PY24B

GOLDI060F275PY24, GOLDI060F275PY24B

GOLDI060F280PY24, GOLDI060F280PY24B

GOLDI060F285PY24, GOLDI060F285PY24B

GOLDI060F290PY24, GOLDI060F290PY24B

GOLDI060F295PY24, GOLDI060F295PY24B

GOLDI066FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 310 to 355 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI066F310PRC24, GOLDI066F310PRC24B

GOLDI066F315PRC24, GOLDI066F315PRC24B

GOLDI066F320PRC24, GOLDI066F320PRC24B

GOLDI066F325PRC24, GOLDI066F325PRC24B

GOLDI066F330PRC24, GOLDI066F330PRC24B

GOLDI066F335PRC24, GOLDI066F335PRC24B

GOLDI066F340PRC24, GOLDI066F340PRC24B

GOLDI066F345PRC24, GOLDI066F345PRC24B

GOLDI066F350PRC24, GOLDI066F350PRC24B

GOLDI066F355PRC24, GOLDI066F355PRC24B

Additional information (if necessary)



☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

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☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2019-12-05

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-34921-UL

Model Details:

GOLDI066FXXXPY24B Series where XXX denotes maximum power (Pmp) from 280 to 325 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI066F280PY24, GOLDI066F280PY24B

GOLDI066F285PY24, GOLDI066F285PY24B

GOLDI066F290PY24, GOLDI066F290PY24B

GOLDI066F295PY24, GOLDI066F295PY24B

GOLDI066F300PY24, GOLDI066F300PY24B

GOLDI066F305PY24, GOLDI066F305PY24B

GOLDI066F310PY24, GOLDI066F310PY24B

GOLDI066F315PY24, GOLDI066F315PY24B

GOLDI066F320PY24, GOLDI066F320PY24B

GOLDI066F325PY24, GOLDI066F325PY24B

GOLDI072FXXXPRC24B Series where XXX denotes maximum power (Pmp) from 340 to 400 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI072F340PRC24, GOLDI072F340PRC24B

GOLDI072F345PRC24, GOLDI072F345PRC24B

GOLDI072F350PRC24, GOLDI072F350PRC24B

GOLDI072F355PRC24, GOLDI072F355PRC24B

GOLDI072F360PRC24, GOLDI072F360PRC24B

GOLDI072F365PRC24, GOLDI072F365PRC24B

GOLDI072F370PRC24, GOLDI072F370PRC24B

GOLDI072F375PRC24, GOLDI072F375PRC24B

GOLDI072F380PRC24, GOLDI072F380PRC24B

GOLDI072F385PRC24, GOLDI072F385PRC24B

GOLDI072F390PRC24, GOLDI072F390PRC24B

GOLDI072F395PRC24, GOLDI072F395PRC24B

GOLDI072F400PRC24, GOLDI072F400PRC24B

GOLDI072FXXXPY24B Series where XXX denotes maximum power (Pmp) from 315 to 360 with 5 W steps. B = 1 Digit "Code of Black Module", blank of "Code of white Module"

GOLDI072F315PY24, GOLDI072F315PY24B

GOLDI072F320PY24, GOLDI072F320PY24B

GOLDI072F325PY24, GOLDI072F325PY24B

GOLDI072F330PY24, GOLDI072F330PY24B

GOLDI072F335PY24, GOLDI072F335PY24B

GOLDI072F340PY24, GOLDI072F340PY24B

GOLDI072F345PY24, GOLDI072F345PY24B

GOLDI072F350PY24, GOLDI072F350PY24B

GOLDI072F355PY24, GOLDI072F355PY24B

GOLDI072F360PY24, GOLDI072F360PY24B

Additional information (if necessary)



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UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2019-12-05

Signature:

Jolanta M. Wroblewska



TEST VERIFICATION OF CONFORMITY

Verification No. : G18060390-V1

GOLDI SOLAR PRIVATE LIMITED

Name And Address
Of The Applicant:

(FORMERLY GOLDI GREEN TECHNOLOGIES PVT LTD)
101, 21st Century Building, Near WTC, Ring Road, Surat,
Gujarat, 395002, India

GOLDI SOLAR PRIVATE LIMITED

Name And Address
Of The Manufacturer:

(FORMERLY GOLDI GREEN TECHNOLOGIES PVT LTD)
Block No.149, Plot No. J & K1, Beside IOC Petrol Pump,
Pipodara NH 8, Dist Surat, Gujarat 394110, India

Name Of Product:

Flat Plate Photovoltaic (PV) Modules

Model reference:

See additional information in Appendix

Brand Name:

GOLDI™

Standards:

IEC 62716: 2013

Report No.

G18060390-1

has been assessed and registered as meeting the requirements of

IEC 62716: 2013 Ammonia resistance test of photovoltaic (PV) modules

Signed by :

Approval Date : 25/09/2018

Shanghai Ingeer Certification Assessment Co., Ltd.

CNCA Authorised No.: CNCA-R-2003-117

Tel: 400-182-9001/+86 21-51114700

Web: www.icas.org.cn

Add: Room 801, HuaDing Mansion, 2368# West Zhongshan Rd.,
Xuhui District, Shanghai, China, 200235



Focus on icas WeChat platform



First Surveillance Audit

Second Surveillance Audit

Third Surveillance Audit

The ownership of the certificate belongs to Shanghai Ingeer Certification Assessment Co., Ltd. and the information is available on the CNCA website: WWW.CNCA.GOV.CN. The validation of the certificate can also be checked either through ICAS website or by calling ICAS customer services department. The certificate is only valid when used within the approved administrative and qualification scope as well as within its valid date. The certified organization shall accept annual surveillance audit regularly once issued the certificate in order to maintain the validity of the certificate. ICAS has rights to withdraw the certificate if the enterprise fails to effectively maintain the above product standards/technical requirements.



This is an Appendix to Test Verification of Conformity Number: **G18060390-V1**

Model/Type reference GOLDI072FxxxPY24 (xxx = 315 to 350; in steps of 5)
GOLDI066FxxxPY24 (xxx = 290 to 310; in steps of 5)
GOLDI060FxxxPY24 (xxx = 260 to 285; in steps of 5)
GOLDI054FxxxPY12 (xxx = 235 to 255; in steps of 5)
GOLDI048FxxxPY12 (xxx = 210 to 225; in steps of 5)
GOLDI036FxxxPY12 (xxx = 155 to 170; in steps of 5)
GOLDI032FxxxPY12 (xxx = 140 to 150; in steps of 5)
GOLDI072FxxxPRC24 (xxx = 340 to 400; in steps of 5)
GOLDI066FxxxPRC24 (xxx = 315 to 350; in steps of 5)
GOLDI060FxxxPRC24 (xxx = 290 to 315; in steps of 5)

Signed by :

Approval Date : 25/09/2018



Shanghai Ingeer Certification Assessment Co., Ltd.

CNCA Authorised No.: CNCA-R-2003-117

Tel: 400-182-9001/+86 21-51114700

Web: www.icas.org.cn

Add: Room 801, HuaDing Mansion, 2368# West Zhongshan Rd.,
Xuhui District, Shanghai, China, 200235



Focus on icas WeChat platform



First Surveillance Audit

Second Surveillance Audit

Third Surveillance Audit

The ownership of the certificate belongs to Shanghai Ingeer Certification Assessment Co., Ltd. and the information is available on the CNCA website: WWW.CNCA.GOV.CN. The validation of the certificate can also be checked either through ICAS website or by calling ICAS customer services department. The certificate is only valid when used within the approved administrative and qualification scope as well as within its valid date. The certified organization shall accept annual surveillance audit regularly once issued the certificate in order to maintain the validity of the certificate. ICAS has rights to withdraw the certificate if the enterprise fails to effectively maintain the above product standards/technical requirements.

英格尔检测技术服务(上海)有限公司

ICAS TESTING TECHNOLOGY SERVICE (SHANGHAI) CO., LTD

B0615134



TEST CERTIFICATE

Certificate Number : SMSW LAB/CERT/PID/2019~2020/02-00

Issue Date : 27-Feb-2020

Revision Number : 00

Issued to : GOLDI SOLAR PRIVATE LIMITED
Formerly GOLDI GREEN TECHNOLOGIES PVT. LTD.
Block No.149, Plot No. J&K/1 IOC Petrol Pump
Pipodara, N.H. No. 8, Dist. Surat-394110
Gujrat INDIA

Test Conducted : Potential - Induced Degradation Test (PID)

Test Standard(s) : PID (Potential Induced Degradation) testing
of Solar Photovoltaic Modules as per
IEC TS 62804-1:2015 Test methods for the
detection of potential-induced degradation -
Part 1: Crystalline silicon

Test Condition : Temperature :- $85 \pm 2^{\circ}\text{C}$,
Relative Humidity :- $85 \pm 3\%$ RH,
Voltage :- $1500 \pm 0.5\%$ V
2 Modules with (+) Voltage &
2 Modules with (-) Voltage)
Dwell Time :- 96 Hrs @ 85°C & 85% RH (1 cycle)
Total Cycle :- 3 Nos (96×3 Hrs = 288 Hrs)
Pass Criteria Power Loss $< 5\%$ from initial value
As per MNRE Requirement

Test Result : PASS
(Maximum Power Loss is -1.90%)

Tested Module : GOLDI072F330PY24
(Refer the Test Report No : SMSW LAB/2019~2020/43
Dated 27- Feb-2020)

Models Covered : For 72 Cell : GOLDI072F300PY24 to GOLDI072F360PY24 ,
For 60 Cell : GOLDI060F260PY24 to GOLDI060F295PY24 ,
For 66 Cell : GOLDI066F285PY24 to GOLDI066F325PY24 ,
For 54 Cell : GOLDI054F235PY12 to GOLDI054F265PY12 ,

Issued By : Gaurav Kumar



Authorized By : Amresh Mahajan



SMSW LAB & RESEARCH CENTRE LLP
LLP Identification No: - AAO-1553

Plot No.: 90 Sector 5, IMT Manesar, Gurugram, Haryana-122052, India
Tel: +91-124-4642736, Email : Info@smswlab.in



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution,
Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002
Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002
दूरभाष / Phone: +91-11-23230856/2323010131/23233375/23239402
ई-मेल / E-mail: registration@bis.gov.in
वेबसाइट / Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: REGISTRATION/CRS 2018-5498/R-72001805

Date:25-04-2019

Inclusion Id: 23828

Subject :Inclusion of Additional Model(s)

MANUFACTURING UNIT :	Goldi Solar Private Limited BLOCK NO 149, PLOT NO J AND K1, BESIDE IOC PETROL PUMP, NATIONAL HIGHWAY NO 8, PIPODARA,SURAT, GUJARAT,394110 alpesh.d@goldi.one 7211109696	
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Dear Sir,

1. This has reference to your request for inclusion of models of 'Crystalline Silicon Photovoltaic(PV) Modules' as per IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004 in Licence No. R-72001805 already granted to you which is valid upto 02-01-2021.

2. It is intimated that the additional Models as per details given below have been agreed to be included in your scope of Licence. R-72001805 w.e.f. 25-04-2019:

Product	Crystalline Silicon Photovoltaic(PV) Modules
IS No.	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004 (Without Fire Test)
Brand	Goldi
Inclusion of Additional Models (w.e.f. 25-04-2019)	GOLDI018C003PRC06,GOLDI018C005PRC06,GOLDI018C006PRC12,GOLDI032C040PRC12,GOLDI032C060PRC12,GOLDI032C080PRC12,GOLDI032C110PRC12,GOLDI032F155PRC12,GOLDI032F160PRC12,GOLDI032F165PRC12,GOLDI032F170PRC12,GOLDI036C010PRC12,GOLDI036C012PRC12,GOLDI036C015PRC12,GOLDI036C020PRC12,GOLDI036C025PRC12,GOLDI036C030PRC12,GOLDI036C035PRC12,GOLDI036C037PRC12,GOLDI036C040PRC12,GOLDI036C045PRC12,GOLDI036C050PRC12,GOLDI036C055PRC12,GOLDI036C060PRC12,GOLDI036C065PRC12,GOLDI036C070PRC12,GOLDI036C075PRC12,GOLDI036C080PRC12,GOLDI036C090PRC12,GOLDI036C095PRC12,GOLDI036C100PRC12,GOLDI036C105PRC12,GOLDI036C110PRC12,GOLDI036C115PRC12,GOLDI036C120PRC12,GOLDI036C125PRC12,GOLDI036C130PRC12,GOLDI036C145PRC12,GOLDI036F135PRC12,GOLDI036F140PRC12,GOLDI036F170PRC12,GOLDI036F175PRC12,GOLDI036F180PRC12,GOLDI036F185PRC12,GOLDI036F190PRC12,GOLDI036F195PRC12,GOLDI048F230PRC12,GOLDI048F235PRC12,GOLDI048F240PRC12,GOLDI048F245PRC12,GOLDI048F250PRC12,GOLDI048F255PRC12,GOLDI048F260PRC12,GOLDI054F255PRC24,GOLDI054F260PRC24,GOLDI054F265PRC24,GOLDI054F270PRC24,GOLDI054F275PRC24,GOLDI054F280PRC24,GOLDI054F285PRC24,GOLDI054F290PRC24,GOLDI060F290PRC24,GOLDI060F295PRC24,GOLDI060F300PRC24,GOLDI060F305PRC24,GOLDI060F310PRC24,GOLDI060F315PRC24,GOLDI060F320PRC24,GOLDI060F325PRC24,GOLDI066F320PRC24,GOLDI066F325PRC24,GOLDI066F330PRC24,GOLDI066F335PRC24,GOLDI066F340PRC24,GOLDI066F345PRC24,GOLDI066F350PRC24,GOLDI066F355PRC24,GOLDI072F340PRC24,GOLDI072F345PRC24,GOLDI072F350PRC24,GOLDI072F355PRC24,GOLDI072F360PRC24,GOLDI072F365PRC24,GOLDI072F370PRC24,GOLDI072F375PRC24,GOLDI072F380PRC24,GOLDI072F385PRC24,GOLDI072F390PRC24,GOLDI072F395PRC24,GOLDI072F400PRC24,GOLDI120C290PRC24,GOLDI120C295PRC24,GOLDI120C300PRC24,GOLDI120C305PRC24,GOLDI120C310PRC24,GOLDI120C315PRC24,GOLDI120C320PRC24,GOLDI120C325PRC24,GOLDI144C340PRC24,GOLDI144C345PRC24,GOLDI144C350PRC24,GOLDI144C355PRC24,GOLDI144C360PRC24,GOLDI144C365PRC24,GOLDI144C370PRC24,GOLDI144C375PRC24,GOLDI144C380PRC24,GOLDI144C385PRC24,GOLDI144C390PRC24
Factory Address	BLOCK NO 149, PLOT NO J AND K1, BESIDE IOC PETROL PUMP, NATIONAL HIGHWAY NO 8, PIPODARA,SURAT, GUJARAT,394110 GUJARAT,India-394110

3. Other terms and conditions of the licence shall remain same.

4. This letter is being issued with the approval of competent authority.

Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Vinod Kumar)
Sc. C
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.


भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

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Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002

दूरभाष / Phone: +91-11-23230856/2323010131/23233375/23239402

ई-मेल / E-mail: registration@bis.gov.in

 वेबसाइट / Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: Registration/CRS 2018-5498/R-72001805

Date:03-01-2019

Subject : Licence Document

Manufacturing Unit :	Goldi Solar Private Limited BLOCK NO 149, PLOT NO J AND K1, BESIDE IOC PETROL PUMP, NATIONAL HIGHWAY NO 8, PIPODARA,SURAT, GUJARAT,394110 alpesh.d@goldi.one 7211109696	
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Dear Sir,

1.With reference to your Application, we are pleased to inform you that it has been decided to grant you licence as per details given below :

PRODUCT :	Poly Crystalline Silicon Photovoltaic(PV) Modules
IS NO :	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (PART 1) : 2004 & IS/IEC 61730 (PART 2) : 2004
BRAND :	Goldi
MODEL :	GOLDI018C006PY06,GOLDI018C005PY06,GOLDI018C003PY06,GOLDI032F140PY12,GOLDI032F145PY12,GOLDI032F150PY12,GOLDI032C100PY12,GOLDI032C075PY12,GOLDI032C060PY12,GOLDI032C040PY12,GOLDI036C010PY12,GOLDI036C012PY12,GOLDI036C015PY12,GOLDI036C020PY12,GOLDI036C025PY12,GOLDI036C030PY12,GOLDI036C035PY12,GOLDI036C037PY12,GOLDI036C040PY12,GOLDI036C045PY12,GOLDI036C050PY12,GOLDI036C055PY12,GOLDI036C060PY12,GOLDI036C075PY12,GOLDI036C080PY12,GOLDI036C090PY12,GOLDI036C095PY12,GOLDI036C100PY12,GOLDI036C110PY12,GOLDI036C115PY12,GOLDI036C120PY12,GOLDI036C125PY12,GOLDI036C130PY12,GOLDI036C135PY12,GOLDI036F155PY12,GOLDI036F160PY12,GOLDI036F165PY12,GOLDI036F170PY12,GOLDI048F210PY12,GOLDI048F215PY12,GOLDI048F220PY12,GOLDI048F225PY13,GOLDI054F235PY12,GOLDI054F240PY12,GOLDI054F245PY12,GOLDI054F250PY12,GOLDI054F255PY13,GOLDI060F260PY24,GOLDI060F265PY24,GOLDI060F270PY24,GOLDI060F275PY24,GOLDI060F280PY24,GOLDI060F285PY24,GOLDI066F290PY24,GOLDI066F295PY24,GOLDI066F300PY24,GOLDI066F305PY24,GOLDI066F310PY24,GOLDI072C240PY24,GOLDI072C250PY24,GOLDI072C260PY24,GOLDI072F315PY24,GOLDI072F320PY24,GOLDI072F325PY24,GOLDI072F330PY24,GOLDI072F335PY24,GOLDI072F340PY24,GOLDI072F345PY24,GOLDI072F350PY24,GOLDI120C260PY24,GOLDI120C265PY24,GOLDI120C270PY24,GOLDI120C275PY24,GOLDI120C280PY24,GOLDI120C285PY24,GOLDI144C315PY24,GOLDI144C320PY24,GOLDI144C325PY24,GOLDI144C330PY24,GOLDI144C335PY24,GOLDI144C340PY24,GOLDI144C345PY24,GOLDI144C350PY24
FACTORY ADDRESS :	Goldi Solar Private Limited BLOCK NO 149, PLOT NO J AND K1, BESIDE IOC PETROL PUMP, NATIONAL HIGHWAY NO 8, PIPODARA,SURAT, GUJARAT,394110

2. The licence is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.

 3. The number assigned to this Licence is **R-72001805** which has been made operative from **03-01-2019** and is valid upto **02-01-2021** The Licence Number should invariably be referred to in your future correspondence.

4. The rights and privileges under the licence shall not be exercised by any other factory / organization at any other location. This licence is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the licence Number shall be stopped and BIS shall be informed.

5. The licensee shall comply with the provisions of the Act, rules and regulations framed thereunder and as amended from time to time.

6. The licensee shall follow the guidelines for the use of Standard Mark and labeling requirements as per Annex-I.

7. The licensee shall not use the licence in any manner which contravenes the provisions of Act, rules and regulations framed thereunder and as amended from time to time.

8. Upon expiry of validity, stoppage or suspension or cancellation of licence, you shall discontinue forthwith the self declaration of conformity to the relevant Indian Standard(s) and withdraw all promotional and advertising matter which contains any reference thereto.

9. For renewal of licence, the licensee shall have to apply to BIS three months in advance before expiration of the licence and application form for renewal is available on BIS website.

10. The licence is not transferable. Kindly acknowledge receipt of this letter.

Thanking you,

 Yours faithfully,
(Vibha Rani)
Sc. D
Telfax : +91-11-23230856
E-mail: registration@bis.org.in

 Note: This is a system generated letter. Hence signature is not required. Please do not reply to this mail.
To verify authentication of letter, kindly scan the QR code on this letter.



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

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ई-मेल/E-mail: registration@bis.gov.in
वेबसाइट/Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: REGISTRATION /CRS-2018-5498/R-72001805

Dated: 2022-12-26
14:31:18

RENEWAL ID : 18068

Subject : RENEWAL OF LICENCE R-72001805 AS PER IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004

Goldi Solar Private Limited
BLOCK NO 149, PLOT NO J AND K1, BESIDE IOC PETROL PUMP, NATIONAL HIGHWAY NO 8, PIPODARA,SURAT,
GUJARAT,394110
GUJARAT, India, 394110



Dear Sir/Madam,

With reference to your online application dated 26-12-2022 for renewal of the above mentioned licence; this is to inform you that the same has been renewed from **03-01-2023** to **02-01-2025**.

It may be noted that the said licence granted under clause (b) of sub section (2) of section 13 of the Act shall *expire* at the end of the period for which it is granted unless renewed or its renewal is deferred. You are, therefore, requested to apply for next renewal to BIS within three months before the expiration of the licence.

Thanking you.

Yours faithfully,

Registration Department
Bureau of Indian Standards,
9, Bahadur Shah Zafar Marg,
New Delhi-110002.
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

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For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



Ref. Certif. No.

US-40475-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Photovoltaic (PV) Module(s)

Name and address of the applicant

Goldi Sun Pvt Ltd
Office No 1010
10th Floor, Infinity Tower
Lal Darwaja, Surat Surat, Gujarat 395008
India

Name and address of the manufacturer

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445.
INDIA

Name and address of the factory

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445,
INDIA

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

☒ [Additional Information on page 2](#)
Maximum System Voltage: 1500 V
Maximum over current protection rating: 25A.
See CB Test Report for additional ratings of all models.

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Mono PERC Bifacial Models:
144 Half cut cell Models:
GS10-B144-TF-XXX, Where XXX stands for the power range from 525~540,
in steps of 5W

Additional information (if necessary may also be reported on page 2)

☒ [Additional Information on page 2](#)
Additionally evaluated to: EN 61215-1:2016, EN 61215-1-1:2016, EN 61215-2:2017
☐ [Additional Information on page 2](#)

A sample of the product was tested and found to be in conformity with

IEC 61215-1:2016, IEC 61215-2:2016, IEC 61215-1-1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E524542-4790121768-D1 issued on 2022-06-29

This CB Test Certificate is issued by the National Certification Body



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2022-06-30

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-40475-UL

Factory(ies):

Goldi Solar Private Limited
Block No 149, Plot No J & K/1, Beside IOC petrol
pump, Pipodara, NH-48, Surat, Gujarat, 394110
India

Additional Model Detail(s):

GS10-M144-BF-XXX, Where XXX stands for the power range from 525~540, in steps of 5W
132 Half cut cell Models:
GS10-B132-TF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
GS10-M132-BF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
120 Half cut cell Models:
GS10-B120-TF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
GS10-M120-BF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
108 Half cut cell Models:
GS10-B108-TF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W
GS10-M108-BF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W

Additional information (if necessary)



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Signature:

Jolanta M. Wroblewska

Date: 2022-06-30



Ref. Certif. No.

US-40494-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Photovoltaic (PV) Module(s)

Name and address of the applicant

Goldi Sun Pvt Ltd
Office No 1010
10th Floor, Infinity Tower
Lal Darwaja, Surat, Gujarat 395008
India

Name and address of the manufacturer

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445.
INDIA

Name and address of the factory

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445,
INDIA

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

☒ [Additional Information on page 2](#)
Maximum System Voltage: 1500 V
Maximum over current protection rating: 25A.
See CB Test Report for additional ratings of all models.

Trademark (if any)

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Mono PERC Bifacial Models:
144 Half cut cell Models:
GS10-B144-TF-XXX, Where XXX stands for the power range from 525~540,
in steps of 5W

☒ [Additional Information on page 2](#)

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to: EN IEC 61730-1:2018, EN IEC 61730-2:2018

☐ [Additional Information on page 2](#)

A sample of the product was tested and found to be in conformity with

IEC 61730-2:2016, IEC 61730-1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E524542-4790121768-D2 issued on 2022-06-24

This CB Test Certificate is issued by the National Certification Body



☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2022-06-30

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-40494-UL

Factory(ies):

Goldi Solar Private Limited
Block No 149, Plot No J & K/1, Beside IOC petrol
pump, Pipodara, NH-48, Surat, Gujarat, 394110
India

Additional Model Detail(s):

GS10-M144-BF-XXX, Where XXX stands for the power range from 525~540, in steps of 5W
132 Half cut cell Models:
GS10-B132-TF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
GS10-M132-BF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
120 Half cut cell Models:
GS10-B120-TF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
GS10-M120-BF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
108 Half cut cell Models:
GS10-B108-TF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W
GS10-M108-BF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W

Additional information (if necessary)



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Signature:

Jolanta M. Wroblewska

Date: 2022-06-30



Report

Compilation of pan files

Bericht
Erzeugung von pan Files

Customer Auftraggeber	Goldi Solar Pvt.Ltd. Sankar, Ray Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump,NH 8, Pipodara 394110 Dist. – Surat Indien
Test Report Prüfbericht	GSO002-003GSO0718-V01
Manufacturer / Type Hersteller / Typ	GOLDI SOLAR PVT. LTD. / GOLDI072F330PY24
Serial number Seriennummer	GG07180533702406
Internal ID / Order No. Interne ID / Auftragsnummer	GSO002 / 003GSO0718
Number of pages Seitenanzahl	4
Test date Datum der Prüfung	20.06.2018

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Date
Datum

01.07.2018

Head of testing laboratory
Leiter des Prüflaboratoriums


Frank Neuberger

Person in charge
Bearbeiter


Ulli Kräling

Test object

Prüfgegenstand

Object Gegenstand	poly-Si PV module
Manufacturer Hersteller	GOLDI SOLAR PVT. LTD.
Type Typ	GOLDI072F330PY24
Cell material Zellmaterial	poly-Si
Serial number Seriennummer	GG07180533702406
Module area Modulfläche	1955 mm x 990 mm

Procedure

Verfahren

The pan file was created in PVsyst version 6.70. Input parameters for irradiance and temperature dependence were determined by indoor measurement of the IV characteristics of the PV module at a set of irradiance and temperature conditions (irradiance between 100-1100 W/m² in 100 W steps and temperature of 15, 25, 47, 50, 75 °C) according to IEC 61853-1. Measurements were carried out in a class AAA sun simulator. The detailed measurement results were reported in a separate report

For the "basic data" in PVsyst, the measured STC parameters were used instead of nominal values. The parameter T_k (pmpp) rel was extracted by a linear fit of the measured temperature dependence.

The model parameters R_p , R_s , R_p ($G_{inc}=0$) and exponential parameter were adjusted to optimize the agreement of modeled and measured efficiency for the complete range of temperatures and irradiances.

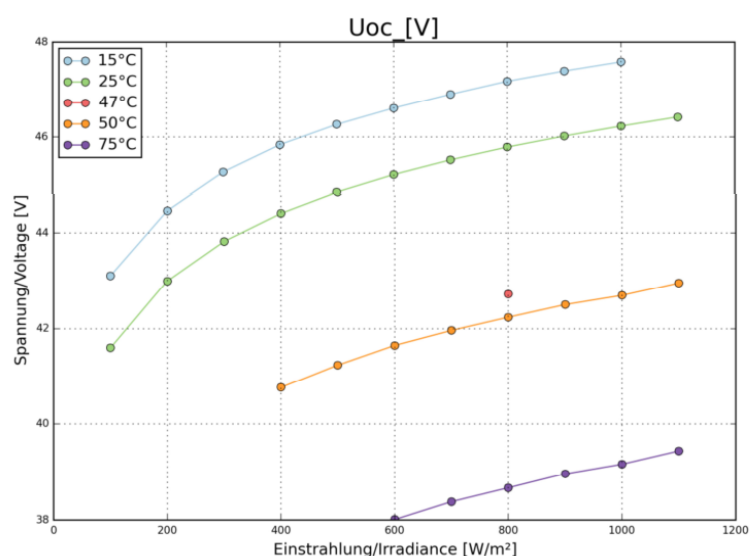
Results

Ergebnisse

According to IEC61853-1, for performance qualification testing three modules shall be selected at random from a production batch. The pan file "003GSO00718.pan" was created based on the measurement results for one module as reported in "GOG012_2_RAT_V01". Determined model parameters:

Model parameter	Value
Rp [ohm]	500
Rs [ohm]	0.32
Rp (Ginc=0)	2500
exp. param.	5.5
Tk (Pmpp) rel	0.38

Comparison of measured and modelled efficiency for the set of irradiance and temperature conditions specified in IEC61853-1:



Deviation of modelled and measured efficiency:

G [W/m²]	Deviation η [%]			
	15°C	25°C	50°C	75°C
1000	0.0%	0.0%	0.0%	0.0%
900	-0.1%	-0.1%	0.3%	0.3%
800	-0.1%	-0.1%	0.3%	0.3%
700	0.1%	-0.1%	0.2%	0.4%
600	-0.1%	-0.1%	0.4%	0.5%
500	-0.1%	-0.2%	0.3%	
400	-0.2%	-0.2%	0.2%	
300	-0.3%	-0.3%		
200	-0.6%	-0.5%		
100	0.3%	0.4%		

Results for reference power conditions according to IEC61853-1 and the corresponding IV curves were extracted from report "GOG012_2_RAT_V01".

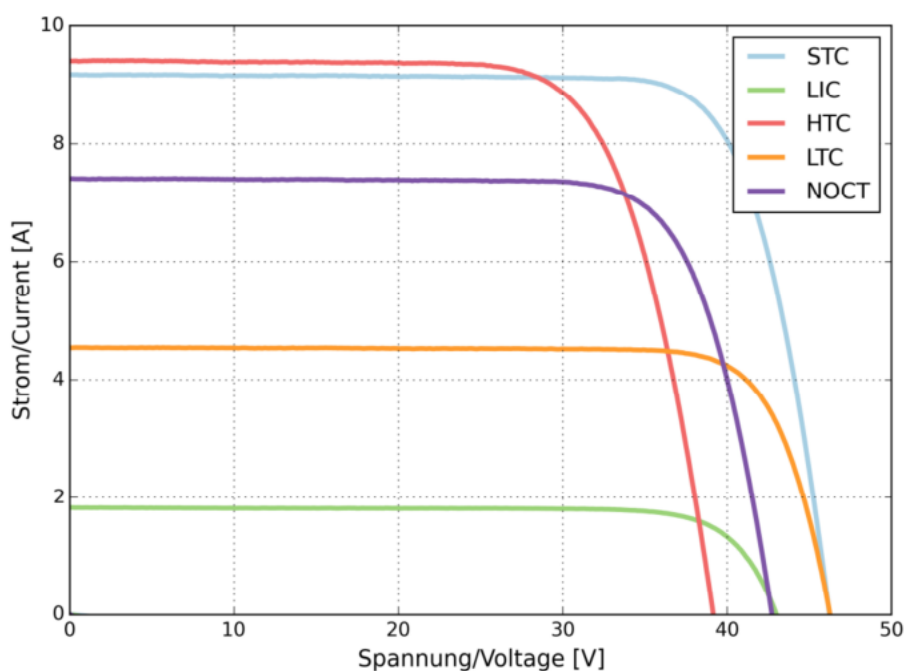
Reference power conditions

Referenz-Bedingungen

	G [W/m ²]	T [°C]	Isc [A]	Uoc [V]	Impp [A]	Umpp [V]	Pmpp [W]	FF [%]	η [%]
STC <i>Standard test condition</i>	1000	25	9.176	46.231	8.700	38.148	331.888	78.232	17.148
LIC <i>Low irradiance condition</i>	200	25	1.826	43.007	1.710	36.650	62.690	79.848	16.195
HTC <i>High temperature condition</i>	1000	75	9.405	39.162	8.709	30.643	266.869	72.454	13.788
LTC <i>Low temperature condition</i>	500	15	4.547	46.267	4.319	39.366	170.025	80.817	17.570
NOCT <i>Nominal operating cell temperature</i>	800	47	7.412	42.729	6.971	34.864	243.041	76.740	15.697

IV curve

IU Kennlinie





SMSW LAB & RESEARCH CENTRE TEST REPORT

1.

Customer Details :-

GOLDI SOLAR PRIVATE LIMITED
Formerly GOLDI GREEN TECHNOLOGIES PVT. LTD.
Block No. 149, Plot No. J & K/1
B/s, IOC Petrol Pump, Pipodara,
N.H. No. 8, Dist. Surat-394110 Gujarat, India.

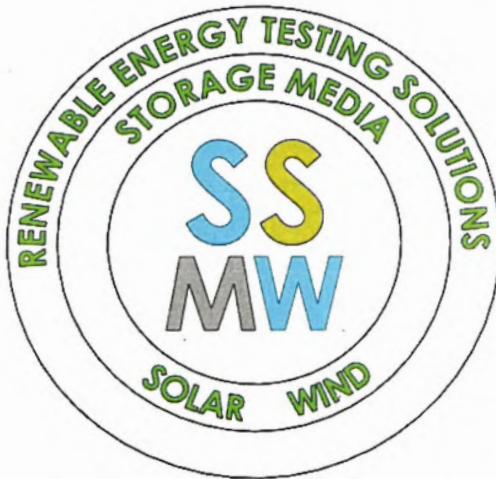
Testing Laboratory Details :-

SMSW LAB & RESEARCH CENTRE LLP
Plot No :- 90 ,Sector :- 5
IMT Manesar , Gurgaon ,
Haryana – 122052
Tel :- +91-124-4642736

2.

Test Report No :- SMSW LAB/ 2019 ~ 2020/ 43A
Dated :- 04.06.2020, Rev No :- 00,
Lab Project No :- 1920/43

Photovoltaic (PV) Module PAN File Test Report as per IEC61853-1



Prepared By :- Gaurav Kumar
(Quality Manager)

Verified By :- Bharat Uppin
(Technical Manager)

Report No: - SMSW LAB/ 2019 ~ 2020/ 43A, Rev No: - 00 , ULR No:- TC756620000000014P
Format No: - F/SMSW/ Lab/15, Rev No:- 05, Rev Date :- 01.06.2020 Page 1 of 31



SMSW LAB & RESEARCH CENTRE TEST REPORT



3.	Discipline :- Electronics	3.1	Group :- Miscellaneous Products
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4.					
General Details of Sample / Project					
Customer Name and Address		GOLDI SOLAR PRIVATE LIMITED Formerly GOLDI GREEN TECHNOLOGIES PVT. LTD. Block No. 149, Plot No. J & K/1 B/s, IOC Petrol Pump, Pipodara, N.H. No. 8, Dist. Surat-394110 Gujarat, India.			
Test Lab Location		SMSW LAB & RESEARCH LLP (For Details Address please refer the Page No 1)			
Device Under Test (DUT)		Solar Photovoltaic (PV) Module			
PV Module Manufacturer		GOLDI SOLAR PRIVATE LIMITED Formerly GOLDI GREEN TECHNOLOGIES PVT. LTD.(Same as above)			
Manufacturer Sr No (If Any)		Refer the Test Result Table			
Sample Receipt Date		30-Jan-2020			
Test Lab Sample Identification		Refer The Test Result Table			
No of Sample		4 Nos (335 Wp) – 1[Set]			
DUT Condition on Receipt		Good			
Applicable Test Standard		IEC 61853-1, IEC 61215:2005,			
Customer Requirement if any		Yes (IAM Factore Required in Test Report)			
Sample forwarding letter/ PO/Gate Pass No. & Date:		MPOS1920/601203 dated 23.01.2020			
Buyer Name & Address , Contact Information		Mr.Jayesh Katharotiya (Goldi Solar Pvt Ltd) 7211109694			
Test Start Date	06.02.2020	Test End Date	04.06.2020	Report Issue Date	04.06.2020
SMSW Lab Ambient Temp Condition		Temperature in °C :- $25 \pm 3^{\circ}\text{C}$ Relative Humidity in % :- <70 % RH			
Test In-Charge Bharat Uppin (Technical Manager)		Authorized Signatory			
		Amresh Mahajan (Head of Laboratory)		Or	Gaurav Kumar (Quality Manager)

Note :- SMSW Lab hasn't participated in the sample selection .The Applicable Standard and raw data of test report are available with SMSW Lab

Prepared By :- Gaurav Kumar (Quality Manager)	Verified By :- Bharat Uppin (Technical Manager)
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Report No: - SMSW LAB/ 2019 ~ 2020/ 43A, Rev No: - 00 , ULR No:- TC756620000000014P
Format No: - F/SMSW/ Lab/15, Rev No:- 05, Rev Date :- 01.06.2020 Page 2 of 31

F. No. 283/54/2018-GRID SOLAR-Part(1)
भारत सरकार / Government of India
नवीन और नवीकरणीय ऊर्जा मंत्रालय / Ministry of New & Renewable Energy
ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Block No. 14, C.G.O. Complex,
Lodhi Road, New Delhi - 110003.
Dated: 5th April, 2022

OFFICE MEMORANDUM

Sub: Updation of List I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 - Reg.

Reference is invited to this Ministry's O.Ms of even no. dated 10.03.2021, regarding implementation of Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019 and publishing List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019.

2. The List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 has been updated vide this Ministry's O.Ms of even no. dated 17.08.2021, 29.09.2021, 10.11.2021, 30.12.2021 & 04.03.2022.
3. This Ministry has further updated the List - I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 as on 05.04.2022, i.e. Revision - VI and the same is enclosed herewith as Annexure - I.
4. This is being issued with the approval of Hon'ble Minister (NRE & Power).



(Sanjay Karndhar)
Scientist-D

Tel: 011 - 24363498
E-mail: karndhar.sg@nic.in

To: All Concerned

CC: Director (Technical), NIC, MNRE for uploading this document on MNRE's website

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
1	Mundra Solar PV Ltd.	Tunda, Mundra SEZ, Mundra, Gujarat, India	1100	i	Multi C-Si Modules	ENCORE Series, ASP-7-335 (335 Wp)	ASP-7-325	72 (Full Cells)	1500	10.03.2021	09.03.2023
							ASP-7-330				
							ASP-7-335				
							ASP-7-340				
							ASP-7-345				
							ASP-7-350				
				ii	Mono C-Si PERC Modules	ETERNAL Series, ASM-7-PERC-375 (375 Wp)	ASM-7-PERC-360	72 (Full Cells)	1500	10.03.2021	09.03.2023
							ASM-7-PERC-365				
							ASM-7-PERC-370				
							ASM-7-PERC-375				
							ASM-7-PERC-380				
2	Vikram Solar Ltd.	Falta SEZ, South 24 Parganas, West Bengal, India	1050	i	Multi Crystalline Silicon Module	Eldora VSP.72.330.05 (330 Wp)	VSP.72.320.05	72 (Full Cells)	1500	10.03.2021	09.03.2023
							VSP.72.325.05				
							VSP.72.330.05				
							VSP.72.335.05				
							VSP.72.340.05				
							VSP.72.345.05				
				ii	Multi Crystalline Silicon Module	Eldora VSPH.72.345.05 (345 Wp)	VSPH.72.340.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							VSPH.72.345.05				
							VSPH.72.350.05				
				iii	Mono Crystalline Silicon Module	Somera VSM.72.370.05 (370 Wp)	VSM.72.370.05	72 (Full Cells)	1500	10.03.2021	09.03.2023
							VSM.72.375.05				
				iv	Mono Crystalline Silicon Module	Somera VSMH.72.390.05 (390 Wp)	VSMH.72.380.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							VSMH.72.385.05				
							VSMH.72.390.05				
							VSMH.72.395.05				
				v	Mono Crystalline Silicon Module	PREXOS VSMDHT.72.445.05 (445Wp)	VSMH.72.400.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							PREXOS VSMDHT.72.435.05				
							PREXOS VSMDHT.72.440.05				
							PREXOS VSMDHT.72.445.05				
							PREXOS VSMDHT.72.450.05				
				vi	Mono Crystalline Silicon Module	SOMERA VSMH.72.440.05 (440Wp)	SOMERA VSMH.72.430.05	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							SOMERA VSMH.72.435.05				
							SOMERA VSMH.72.440.05				
							SOMERA VSMH.72.445.05				
							SOMERA VSMH.72.450.05				
3	Bharat Electronics Ltd.	Jalahalli, Bengaluru, Karnataka, India	10	i	Multi C-Si Module	BEP-A.320 (320 Wp)	BEP-A.310	72 (Full Cells)	1500	10.03.2021	09.03.2023
							BEP-A.315				
							BEP-A.320				
							BEP-A.325				
							BEP-A.330				
							BEP-A.335				
				ii	Mono C-Si Module	BE-A.320 (320 Wp)	BE-A.310	72 (Full Cells)	1500	10.03.2021	09.03.2023
							BE-A.315				
							BE-A.320				
							BE-A.325				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
4	Emmvee Photovoltaic Power Pvt. Ltd.	Bettahalasuru, Bengaluru, Karnataka, India	500	i	Multi C-Si Module	E335P72 (335 Wp)	BE-A.330	72 (Full Cells)	1500	10.03.2021	09.03.2023
							BE-A.335				
							E320P72				
							E325P72				
							E330P72				
							E335P72				
							E340P72				
							E345P72				
							E350P72				
				ii	Multi C-Si Module	E280P60 (280 Wp)	E270P60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							E275P60				
							E280P60				
							E285P60				
							E290P60				
				iii	Mono PERC Module	E380M72 (380 Wp)	E365M72	72 (Full Cells)	1500	10.03.2021	09.03.2023
							E370M72				
							E375M72				
							E380M72				
							E385M72				
							E390M72				
				iv	Mono PERC Module	E315M60 (315 Wp)	E395M72	60 (Full Cells)	1500	10.03.2021	09.03.2023
							E300M60				
							E305M60				
							E310M60				
							E315M60				
							E320M60				
							E325M60				
							E330M60				
5	ORB Energy Pvt. Ltd.	Yeshwanthapura, Bengaluru, Karnataka, India	50	i	Multi C-Si Module	Orb320P72-15 (320 Wp)	Orb305P72-15	72 (Full Cells)	1500	10.03.2021	09.03.2023
							Orb310P72-15				
							Orb315P72-15				
							Orb320P72-15				
							Orb325P72-15				
							Orb330P72-15				
							Orb335P72-15				
				ii	Multi C-Si Module	Orb270P60-15 (270 Wp)	Orb260P60-15	60 (Full Cells)	1500	10.03.2021	09.03.2023
							Orb265P60-15				
							Orb270P60-15				
							Orb275P60-15				
							Orb280P60-15				
				iii	Multi C-Si Module	Orb320P72 (320 Wp)	Orb305P72	72 (Full Cells)	1000	10.03.2021	09.03.2023
							Orb310P72				
							Orb315P72				
							Orb320P72				
							Orb325P72				
							Orb330P72				
				iv	Multi C-Si Module	Orb270P60 (270 Wp)	Orb335P72	60 (Full Cells)	1000	10.03.2021	09.03.2023
							Orb260P60				
							Orb265P60				
							Orb270P60				
							Orb275P60				
							Orb280P60				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				v	Mono C-Si Module	Orb370M72-15 (370 Wp)	Orb355M72-15	72 (Full Cells)	1500	10.03.2021	09.03.2023
							Orb360M72-15				
							Orb365M72-15				
							Orb370M72-15				
							Orb375M72-15				
							Orb380M72-15				
							Orb385M72-15				
				vi	Mono C-Si Module	Orb305M60-15 (305 Wp)	Orb290M60-15	60 (Full Cells)	1500	10.03.2021	09.03.2023
							Orb295M60-15				
							Orb300M60-15				
							Orb305M60-15				
							Orb310M60-15				
							Orb315M60-15				
							Orb320M60-15				
				vii	Mono C-Si Module	Orb370M72 (370 Wp)	Orb355M72	72 (Full Cells)	1000	10.03.2021	09.03.2023
							Orb360M72				
							Orb365M72				
							Orb370M72				
							Orb375M72				
							Orb380M72				
							Orb385M72				
				viii	Mono C-Si Module	Orb305M60 (305 Wp)	Orb290M60	60 (Full Cells)	1000	10.03.2021	09.03.2023
							Orb295M60				
							Orb300M60				
							Orb305M60				
							Orb310M60				
							Orb315M60				
							Orb320M60				
6	Tata Power Solar Systems Ltd.	Plot No. 43(P) & 44(P) Phase II, Electronic City, Hosur Road, Bangalore- 560100, Karnataka, India	710	i	Multi C-Si Module	TP330LBZ (330 Wp)	TP315LBZ	72 (Full Cells)	1000	10.03.2021	09.03.2023
							TP320LBZ				
							TP325LBZ				
							TP330LBZ				
							TP335LBZ				
							TP340LBZ				
							TP345LBZ				
				ii	Multi C-Si Module	TP330LBZ(H) (330 Wp)	TP315LBZ(H)	72 (Full Cells)	1500	10.03.2021	09.03.2023
							TP320LBZ(H)				
							TP325LBZ(H)				
							TP330LBZ(H)				
							TP335LBZ(H)				
							TP340LBZ(H)				
							TP345LBZ(H)				
				iii	Multi C-Si Module	TP295VBZ(H) (295 Wp)	TP285VBZ(H)	66 (Full Cells)	1500	10.03.2021	09.03.2023
							TP290VBZ(H)				
							TP295VBZ(H)				
							TP300VBZ(H)				
							TP305VBZ(H)				
				iv	Multi C-Si Module	TP260MBZ(H) (260 Wp)	TP250MBZ(H)	60 (Full Cells)	1500	10.03.2021	09.03.2023
							TP255MBZ(H)				
							TP260MBZ(H)				
							TP265MBZ(H)				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							TP270MBZ(H)				
				v	Mono C-Si PERC Module	TP380LGZ(H) (380 Wp)	TP365LGZ(H)	72 (Full Cells)	1500	10.03.2021	09.03.2023
							TP370LGZ(H)				
							TP375LGZ(H)				
							TP380LGZ(H)				
							TP385LGZ(H)				
							TP390LGZ(H)				
							TP395LGZ(H)				
				vi	Mono C-Si PERC	TP355RGZ(H), (355Wp)	TP340RGZ(H)	120 (Half-Cut Cells)	1500	10.03.2021	09.03.2023
							TP345RGZ(H)				
							TP350RGZ(H)				
							TP355RGZ(H)				
							TP360RGZ(H)				
							TP365RGZ(H)				
							TP370RGZ(H)				
				vii	Mono C-Si PERC	TP395HGZ(H), (395Wp)	TP380HGZ(H)	144 (Half-Cut Cells)	1500	10.03.2021	09.03.2023
							TP385HGZ(H)				
							TP390HGZ(H)				
							TP395HGZ(H)				
							TP400HGZ(H)				
							TP405HGZ(H)				
							TP410HGZ(H)				
				viii	Mono C-Si PERC	TP435HGZ(H), (435Wp)	TP415HGZ(H)	144 (Half-Cut Cells)	1500	10.03.2021	09.03.2023
							TP420HGZ(H)				
							TP425HGZ(H)				
							TP430HGZ(H)				
							TP435HGZ(H)				
							TP440HGZ(H)				
							TP445HGZ (H)				
							TP450HGZ(H)				
							TP455HGZ(H)				
				ix	Mono C-Si PERC	TP470VG10, (470Wp)	TP450VG10	132 (Half-Cut Cells)	1500	10.03.2021	09.03.2023
							TP455VG10				
							TP460VG10				
							TP465VG10				
							TP470VG10				
							TP475VG10				
							TP480VG10				
							TP485VG10				
							TP490VG10				
7	Swelect Energy Systems Ltd.	Dabaspet, Nelamangala, Bengaluru, Karnataka, India	140	i	Multi C-Si Module	HST36F165P (165 Wp)	HST36F160P	36 (Full Cells)	1000	10.03.2021	09.03.2023
							HST36F165P				
							HST36F170P				
				ii	Multi C-Si Module	HST60F275P (275 Wp)	HST60F265P	60 (Full Cells)	1000	10.03.2021	09.03.2023
							HST60F270P				
							HST60F275P				
							HST60F280P				
							HST60F285P				
				iii	Multi C-Si Module	HST72F330P (330 Wp)	HST72F320P	72 (Full Cells)	1000	10.03.2021	09.03.2023
							HST72F325P				
							HST72F330P				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							HST72F335P				
							HST72F340P				
							HST72F345P				
				iv	Multi C-Si Module	HST72F300P (300 Wp)	HST72F300P	72 (Full Cells)	1000	10.03.2021	09.03.2023
				v	Mono C-Si Module	HST36F190M (190 Wp)	HST36F185M	36 (Full Cells)	1000	10.03.2021	09.03.2023
							HST36F190M				
							HST36F195M				
				vi	Mono C-Si Module	HST60F310M (310 Wp)	HST60F295M	60 (Full Cells)	1000	10.03.2021	09.03.2023
							HST60F300M				
							HST60F305M				
							HST60F310M				
							HST60F315M				
							HST60F320M				
							HST60F325M				
				vii	Mono C-Si Module	HST72F375M (375 Wp)	HST72F360M	72 (Full Cells)	1000	10.03.2021	09.03.2023
							HST72F365M				
							HST72F370M				
							HST72F375M				
							HST72F380M				
							HST72F385M				
							HST72F390M				
				viii	Mono C-Si Module	HST72F395M (395 Wp)	HST72F395M	72 (Full Cells)	1000	10.03.2021	09.03.2023
8	RenewSys India Pvt. Ltd.	FAB City, Hyderabad, Telangana, India	750	i	Multi C-Si Module	DESERV 3M6-330 (330 Wp)	DESERV 3M6-315	72 (Full Cells)	1000	10.03.2021	09.03.2023
							DESERV 3M6-320				
							DESERV 3M6-325				
							DESERV 3M6-330				
							DESERV 3M6-335				
							DESERV 3M6-340				
							DESERV 3M6-345				
				ii	Multi C-Si Module	DESERV 3M6H-330 (330 Wp)	DESERV 3M6H-315	72 (Full Cells)	1500	10.03.2021	09.03.2023
							DESERV 3M6H-320				
							DESERV 3M6H-325				
							DESERV 3M6H-330				
							DESERV 3M6H-335				
							DESERV 3M6H-340				
							DESERV 3M6H-345				
				iii	Multi C-Si Module	DESERV MGALACTIC-345 (345 Wp)	DESERV MGALACTIC-330	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							DESERV MGALACTIC-335				
							DESERV MGALACTIC-340				
							DESERV MGALACTIC-345				
							DESERV MGALACTIC-350				
							DESERV MGALACTIC-355				
							DESERV MGALACTIC-360				
				iv	Mono C-Si Module	DESERV 3S6-360 (360 Wp)	DESERV 3S6-345	72 (Full Cells)	1000	10.03.2021	09.03.2023
							DESERV 3S6-350				
							DESERV 3S6-355				
							DESERV 3S6-360				
							DESERV 3S6-365				
							DESERV 3S6-370				
							DESERV 3S6-375				
				v	Mono C-Si Module	DESERV 3S6H-360 (360 Wp)	DESERV 3S6H-345	72 (Full Cells)	1500	10.03.2021	09.03.2023

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							DESERV 3S6H-350				
							DESERV 3S6H-355				
							DESERV 3S6H-360				
							DESERV 3S6H-365				
							DESERV 3S6H-370				
							DESERV 3S6H-375				
				vi	Mono C-Si Module	DESERV SGALACTIC-375 (375 Wp)	DESERV SGALACTIC-360	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							DESERV SGALACTIC-365				
							DESERV SGALACTIC-370				
							DESERV SGALACTIC-375				
							DESERV SGALACTIC-380				
							DESERV SGALACTIC-385				
							DESERV SGALACTIC-390				
9	Premier Energies Ltd.	Annaram, Medak, Telangana, India	482	i	Multi C-Si Module	PSS-24340 (340 Wp)	PSS-24325	72 (Full Cells)	1500	10.03.2021	09.03.2023
							PSS-24330				
							PSS-24335				
							PSS-24340				
							PSS-24345				
							PSS-24350				
				ii	Multi C-Si Module	PSS-24305 (305 Wp)	PSS-24355	72 (Full Cells)	1500	10.03.2021	09.03.2023
							PSS-24290				
							PSS-24295				
							PSS-24300				
							PSS-24305				
							PSS-24310				
				iii	Multi C-Si Module	PSS-24250 (250 Wp)	PSS-24315	72 (Cut Cells)	1500	10.03.2021	09.03.2023
							PSS-24320				
							PSS-24240				
							PSS-24245				
							PSS-24250				
							PSS-24255				
				iv	Multi C-Si Module	PSS-24200 (200 Wp)	PSS-24260	72 (Cut Cells)	1500	10.03.2021	09.03.2023
							PSS-24190				
							PSS-24195				
							PSS-24200				
							PSS-24205				
							PSS-24210				
				v	Multi C-Si Module	PSS-24150 (150 Wp)	PSS-24145	72 (Cut Cells)	1500	10.03.2021	09.03.2023
							PSS-24150				
							PSS-24155				
				vi	Multi C-Si Module	PSS-24340HC (340 Wp)	PSS-24325HC	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							PSS-24330HC				
							PSS-24335HC				
							PSS-24340HC				
							PSS-24345HC				
							PSS-24350HC				
							PSS-24355HC				
				vii	Multi C-Si Module	PSS-20280 (280 Wp)	PSS-24357HC	60 (Full Cells)	1500	10.03.2021	09.03.2023
							PSS-20270				
							PSS-20275				
							PSS-20280				
							PSS-20285				
							PSS-20290				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				viii	Multi C-Si Module	PSS-20260 (260 Wp)	PSS-20250	60 (Full Cells)	1500	10.03.2021	09.03.2023
				ix	Multi C-Si Module	PSS-20220 (220 Wp)	PSS-20255				
							PSS-20260				
							PSS-20265				
				x	Multi C-Si Module	PSS-12200 (200 Wp)	PSS-12200	60 (Cut Cells)	1500	10.03.2021	09.03.2023
				xi	Multi C-Si Module	PSS-12165 (165 Wp)	PSS-12200	36 (Cut Cells)	600	10.03.2021	09.03.2023
							PSS-12160	36 (Full Cells)	600	10.03.2021	09.03.2023
							PSS-12165				
							PSS-12170				
				xii	Multi C-Si Module	PSS-12150 (150 Wp)	PSS-12160	36 (Full Cells)	600	10.03.2021	09.03.2023
							PSS-12145				
							PSS-12150				
				xiii	Multi C-Si Module	PSS-12120 (120 Wp)	PSS-12155	36 (Full Cells)	600	10.03.2021	09.03.2023
							PSS-12120				
				xiv	Multi C-Si Module	PSS-12105 (105 Wp)	PSS-12125	36 (Cut Cells)	600	10.03.2021	09.03.2023
							PSS-12120				
							PSS-12125				
				xv	Multi C-Si Module	PSS-12100 (100 Wp)	PSS-12100	36 (Cut Cells)	600	10.03.2021	09.03.2023
							PSS-12105				
							PSS-12110				
				xvi	Multi C-Si Module	PSS-1280 (80 Wp)	PSS-1280	36 (Cut Cells)	600	10.03.2021	09.03.2023
				xvii	Multi C-Si Module	PSS-1275 (75 Wp)	PSS-1275	36 (Cut Cells)	600	10.03.2021	09.03.2023
				xviii	Multi C-Si Module	PSS-1260 (60 Wp)	PSS-1260	36 (Cut Cells)	600	10.03.2021	09.03.2023
				xix	Multi C-Si Module	PSS-1245 (45 Wp)	PSS-1245	36 (Cut Cells)	600	10.03.2021	09.03.2023
				xx	Multi C-Si Modules	PSS-1230 (30 Wp)	PSS-1230	36 (Cut Cells)	600	10.03.2021	09.03.2023
				xxi	Mono C-Si PERC Module	PSS-1220 (20 Wp)	PSS-1220	36 (Cut Cells)	600	10.03.2021	09.03.2023
				xxii	Mono C-Si PERC Module	PSS-24380 (380 Wp)	PSS-24365	72 (Full Cells)	1500	10.03.2021	09.03.2023
							PSS-24370				
							PSS-24375				
							PSS-24380				
							PSS-24385				
							PSS-24390				
							PSS-24395				
				xxiii	Mono C-Si PERC Module	PSS-24335 (335 Wp)	PSS-24335	72 (Full Cells)	1500	10.03.2021	09.03.2023
				xxiiii	Mono C-Si PERC Module	PSS-20315 (315 Wp)	PSS-20315	60 (Full Cells)	1500	10.03.2021	09.03.2023
							PSS-20320				
							PSS-20325				
							PSS-20330				
10	Visaka Industries Ltd.	Gajalapuram, Miryalagunda, Nalgonda, Telangana, India	30	i	Multi C-Si Module	VIL-310P (310 Wp)	VIL-305P	72 (Full Cells)	1000	10.03.2021	09.03.2023
11	Websol Energy System Ltd.	Falta SEZ, 24 Parganas (South), West Bengal, India	250	i	Multi C-Si Module	W2900-M330 (330 Wp)	VIL-310P				
							VIL-315P				
							VIL-320P				
							W2900-M315				
							W2900-M320	72 (Full Cells)	1500	10.03.2021	09.03.2023
							W2900-M325				
							W2900-M330				
							W2900-M335				
							W2900-M340				
							W2900-M345				
12	Sova Solar Ltd.	Banskopa, Durgapur, West Bengal, India	240	i	Multi C-Si Module	SS28060MC (280 Wp)	SS27060MC	60 (Full Cells)	1500	10.03.2021	09.03.2023
							SS27560MC				
							SS28060MC				
							SS28560MC				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							SS29060MC				
				ii	Multi C-Si Module	SS33072MC (330 Wp)	SS32072MC	72 (Full Cells)	1500	10.03.2021	09.03.2023
							SS32572MC				
							SS33072MC				
							SS33572MC				
							SS34072MC				
							SS34572MC				
				iii	Mono PERC Module	SS31060MP (310 Wp)	SS30060MP	60 (Full Cells)	1500	10.03.2021	09.03.2023
							SS30560MP				
							SS31060MP				
							SS31560MP				
							SS32060MP				
							SS32560MP				
				iv	Mono PERC Module	SS38572MP (385 Wp)	SS37072MP	72 (Full Cells)	1500	10.03.2021	09.03.2023
							SS37572MP				
							SS38072MP				
							SS38572MP				
							SS39072MP				
							SS39572MP				
							SS40072MP				
13	Goldi Solar Pvt. Ltd.	Pipodara, Surat, Gujarat, India	500	i	Multi C-Si Module	GOLDI072F335PY24 (335 Wp)	GOLDI072F325PY24	72 (Full Cells)	1500	10.03.2021	09.03.2023
							GOLDI072F330PY24				
							GOLDI072F335PY24				
							GOLDI072F340PY24				
							GOLDI072F345PY24				
				ii	Multi C-Si Module	GOLDI066F300PY24 (300 Wp)	GOLDI066F300PY24	66 (Full Cells)	1500	10.03.2021	09.03.2023
							GOLDI066F310PY24				
				iii	Multi C-Si Module	GOLDI060F280PY24 (280 Wp)	GOLDI060F280PY24	60 (Full Cells)	1500	10.03.2021	09.03.2023
				iv	Multi C-Si Module	GOLDI054F250PY12 (250 Wp)	GOLDI054F250PY12	54 (Full Cells)	1500	10.03.2021	09.03.2023
				v	Mono C-Si PERC Module	GOLDI072F395PRC24 (395 Wp)	GOLDI072F390PRC24	72 (Full Cells)	1500	10.03.2021	09.03.2023
							GOLDI072F395PRC24				
14	Australian Premium Solar (India) Pvt. Ltd.	Tajpur, Sabarkantha, Gujarat, India	50	i	Multi C-Si Module	APSAP6-250/60 (250 Wp)	APSAP6-250/60	60 (Full Cells)	1000	10.03.2021	09.03.2023
							APSAP6-260/60				
				ii	Multi C-Si Module	APSAP6-300/72 (300 Wp)	APSAP6-300/72	72 (Full Cells)	1000	10.03.2021	09.03.2023
				iii	Multi C-Si Module	APSAP6-320/72 (320 Wp)	APSAP6-320/72	72 (Full Cells)	1000	10.03.2021	09.03.2023
							APSAP6-330/72				
				iv	Multi C-Si Module	APSAP6-340/72 (340 Wp)	APSAP6-340/72	72 (Full Cells)	1000	10.03.2021	09.03.2023
							APSAP6-350/72				
15	Solex Energy Ltd	GIDC, Vitthal Udyognagar, Anand, Gujarat, India	45	i	Multi C-Si Module	SES1224 (24 Wp)	SES1224	36 (Cut Cells)	600	10.03.2021	09.03.2023
				ii	Multi C-Si Module	SES1275 (75 Wp)	SES1275	36 (Cut Cells)	600	10.03.2021	09.03.2023
				iii	Multi C-Si Module	SES12100 (100 Wp)	SES12100	36 (Cut Cells)	600	10.03.2021	09.03.2023
				iv	Multi C-Si Module	SES16200 (200 Wp)	SES16200	48 (Full Cells)	1000	10.03.2021	09.03.2023
							SES16210				
				v	Multi C-Si Module	SES20250 (250 Wp)	SES20250	60 (Full Cells)	1000	10.03.2021	09.03.2023
							SES20260				
				vi	Multi C-Si Module	SES24300 (300 Wp)	SES24300	72 (Full Cells)	1000	10.03.2021	09.03.2023
				vii	Multi C-Si Module	SES24335 (335 Wp)	SES24320	72 (Full Cells)	1000	10.03.2021	09.03.2023
							SES24325				
							SES24330				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							SES24335				
							SES24340				
							SES24350				
				viii	Mono- PERC Module	SESM20280 (280 Wp)	SESM20280	60 (Full Cells)	1000	10.03.2021	09.03.2023
				ix	Mono- PERC Module	SESM20300 (300 Wp)	SESM20300	60 (Full Cells)	1000	10.03.2021	09.03.2023
				x	Mono- PERC Module	SESM24335 (335 Wp)	SESM24335	72 (Full Cells)	1000	10.03.2021	09.03.2023
				xi	Mono- PERC Module	SESM24360 (360 Wp)	SESM24350	72 (Full Cells)	1000	10.03.2021	09.03.2023
							SESM24360				
							SESM24370				
16	Topsun Energy Ltd.	Linch, Mehsana, Gujarat, India	100	i	Multi C-Si Module	TEL24P315 (315 Wp)	TEL24P300	72 (Full Cells)	1000	10.03.2021	09.03.2023
							TEL24P305				
							TEL24P310				
							TEL24P315				
							TEL24P320				
							TEL24P325				
				ii	Multi C-Si Module	TEL24P340 (340 Wp)	TEL24P330	72 (Full Cells)	1000	10.03.2021	09.03.2023
							TEL24P335				
							TEL24P340				
							TEL24P345				
							TEL24P350				
							TEL24P350				
				iii	Multi C-Si Module	TEL66P290 (290 Wp)	TEL66P280	66 (Full Cells)	1000	10.03.2021	09.03.2023
							TEL66P285				
							TEL66P290				
							TEL66P295				
							TEL66P300				
				iv	Multi C-Si Module	TEL12CP40 (40 Wp)	TEL12CP40	36 (Cut Cells)	600	10.03.2021	09.03.2023
				v	Multi C-Si Module	TEL12CP74 (74 Wp)	TEL12CP74	36 (Cut Cells)	600	10.03.2021	09.03.2023
							TEL12CP75				
				vi	Multi C-Si Module	TEL12CP100 (100 Wp)	TEL12CP100	36 (Cut Cells)	600	10.03.2021	09.03.2023
				vii	Mono C-Si PERC Module	TEL24MP335 (335 Wp)	TEL24MP320	72 (Full Cells)	1500	10.03.2021	09.03.2023
							TEL24MP325				
							TEL24MP330				
							TEL24MP335				
							TEL24MP340				
							TEL24MP345				
							TEL24MP350				
							TEL24MP350				
17	Waaree Energies Ltd.	Tumb, Umbergaon, Valsad, Gujarat, India	1100	i	Multi C-Si Modules	WS-340 (340 Wp)	TEL24MP380	72 (Full Cells)	1500	10.03.2021	09.03.2023
							WS-330	72 (Full Cells)	1500	10.03.2021	09.03.2023
							WS-335				
							WS-340				
							WS-345				
				ii	Mono PERC C-Si Modules	WSM-390 (390Wp)	WS-350	72 (Full Cells)	1500	10.03.2021	09.03.2023
							WSM-380				
							WSM-385				
							WSM-390				
							WSM-395				
				iii	Mono PERC C-Si Modules	WSMD-440 (440Wp)	WSM-400	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
							WSMD-420				
							WSMD-425				
							WSMD-430				
							WSMD-435				
							WSMD-440				
							WSMD-445				
							WSMD-450				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
18	Waaree Energies Ltd.	Surat SEZ, Diamond Park, Sachin, Surat, Gujarat, India	500	i	Multi C-Si Modules	WS-340 (340 Wp)	WS-330	72 (Full Cells)	1500	10.03.2021	09.03.2023
							WS-335				
							WS-340				
							WS-345				
							WS-350				
				ii	Mono C-Si Modules	WSM-390 (390 Wp)	WSM-380	72 (Full Cells)	1500	10.03.2021	09.03.2023
							WSM-385				
							WSM-390				
							WSM-395				
							WSM-400				
19	Waaree Renewables Pvt. Ltd.	Nandigram, Umbergaon, Valsad, Gujarat, India	500	i	Multi C-Si Modules	WS-340 (340 Wp)	WS-330	72 (Full Cells)	1500	10.03.2021	09.03.2023
							WS-335				
							WS-340				
							WS-345				
							WS-350				
				ii	Mono C-Si Modules	WSM-380 (380 Wp)	WSM-380	72 (Full Cells)	1500	10.03.2021	09.03.2023
20	Icon Solar-En Power Technologies Pvt. Ltd.	Dighari, Mandir Hasaud, Arang, Raipur, Chhattisgarh, India	125	i	Multi C-Si Modules	ISEN335 (335 Wp)	ISEN320	72 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN325				
							ISEN330				
							ISEN335				
							ISEN340				
							ISEN345				
							ISEN350				
				ii	Multi C-Si Modules	ISEN305 (305 Wp)	ISEN300	72 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN305				
							ISEN310				
							ISEN315				
				iii	Multi C-Si Modules	ISEN290 (290 Wp)	ISEN280	66 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN285				
							ISEN290				
							ISEN295				
							ISEN300N				
				iv	Multi C-Si Modules	ISEN260 (260 Wp)	ISEN250	60 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN255				
							ISEN260				
							ISEN265				
							ISEN270				
				v	Multi C-Si Modules	ISEN240 (240 Wp)	ISEN230	54 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN235				
							ISEN240				
							ISEN245				
							ISEN250N				
				vi	Multi C-Si Modules	ISEN210 (210 Wp)	ISEN200	48 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN205				
							ISEN210				
							ISEN215				
				vii	Multi C-Si Modules	ISEN155 (155 Wp)	ISEN150	36 (Full Cells)	1500	10.03.2021	09.03.2023
							ISEN155				
							ISEN160				
				viii	Multi C-Si Modules	ISEN75 (75 Wp)	ISEN75	36 (Cut Cells)	1500	10.03.2021	09.03.2023
				ix	Multi C-Si Modules	ISEN40 (40 Wp)	ISEN40	36 (Cut Cells)	1500	10.03.2021	09.03.2023

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
21	PV Power Technologies Pvt. Ltd.	Tarapur Textile Park Ltd., Boisar East, Palghar, Maharashtra, India	200	i	Multi C-Si Modules	ECO 325H (325 Wp)	ECO 315H	72 (Full Cells)	1500	10.03.2021	09.03.2023
							ECO 320H				
							ECO 325H				
							ECO 330H				
							ECO 335H				
				ii	Multi C-Si Modules	ECO 315 (315 Wp)	ECO 300	72 (Full Cells)	1000	10.03.2021	09.03.2023
							ECO 305				
							ECO 310				
							ECO 315				
							ECO 320				
							ECO 325				
							ECO 330				
				iii	Mono C-Si Modules	ECO 355M (355 Wp)	ECO 340M	72 (Full Cells)	1000	10.03.2021	09.03.2023
							ECO 345M				
							ECO 350M				
							ECO 355M				
							ECO 360M				
							ECO 365M				
							ECO 370M				
22	Saatvik Green Energy Pvt. Ltd.	Dubli, Ambala, Haryana, India	240	i	Multi C-Si Modules	SGE 150-36P (150 Wp)	SGE 150-36P	36 (Full Cells)	1000	10.03.2021	09.03.2023
				ii	Multi C-Si Modules	SGE 165-36P (165 Wp)	SGE 160-36P	36 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 165-36P				
							SGE 170-36P				
				iii	Multi C-Si Modules	SGE 200-48P (200 Wp)	SGE 200-48P	48 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 210-48P				
				iv	Multi C-Si Modules	SGE 230-54P (230 Wp)	SGE 220-54P	54 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 225-54P				
							SGE 230-54P				
							SGE 235-54P				
							SGE 240-54P				
				v	Multi C-Si Modules	SGE 260-60P (260 Wp)	SGE 250-60P	60 (Full Cells)	1500	10.03.2021	09.03.2023
							SGE 260-60P				
							SGE 265-60P				
							SGE 270-60P				
				vi	Multi C-Si Modules	SGE 275-60P (275 Wp)	SGE 275-60P	60 (Full Cells)	1500	10.03.2021	09.03.2023
				vii	Multi C-Si Modules	SGE 315-72P (315 Wp)	SGE 300-72P	72 (Full Cells)	1500	10.03.2021	09.03.2023
							SGE 305-72P				
							SGE 310-72P				
							SGE 315-72P				
							SGE 320-72P				
							SGE 325-72P				
							SGE 330-72P				
				viii	Multi C-Si Modules	SGE 340-72P (340 Wp)	SGE 335-72P	72 (Full Cells)	1500	10.03.2021	09.03.2023
							SGE 340-72P				
							SGE 345-72P				
				ix	Mono C-Si Modules	SGE 185-36M (185 Wp)	SGE 180-36M	36 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 185-36M				
							SGE 190-36M				
				x	Mono C-Si Modules	SGE 245-48M (245 Wp)	SGE 235-48M	48 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 240-48M				
							SGE 245-48M				
							SGE 250-48M				
							SGE 255-48M				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				xi	Mono C-Si Modules	SGE 275-54M (275 Wp)	SGE 265-54M	54 (Full Cells)	1000	10.03.2021	09.03.2023
							SGE 270-54M				
							SGE 275-54M				
							SGE 280-54M				
							SGE 285-54M				
				xii	Mono C-Si Modules	SGE 300-60M (300 Wp)	SGE 285-60M	60 (Full Cells)	1500	10.03.2021	09.03.2023
							SGE 290-60M				
							SGE 295-60M				
							SGE 300-60M				
							SGE 305-60M				
							SGE 310-60M				
							SGE 315-60M				
				xiii	Mono C-Si Modules	SGE 370-72M (370 Wp)	SGE 355-72M	72 (Full Cells)	1500	10.03.2021	09.03.2023
							SGE 360-72M				
							SGE 365-72M				
							SGE 370-72M				
							SGE 375-72M				
							SGE 380-72M				
							SGE 385-72M				
23	Navitas Green Solutions Pvt. Ltd.	Hojiwala Industrial Estate, Surat, Gujarat, India	100	i	Mono C-Si PERC Modules	NSM365 (365 Wp)	NSM350	72 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM355				
							NSM360				
							NSM365				
							NSM370				
							NSM375				
				ii	Mono C-Si PERC Modules	NSM330 (330 Wp)	NSM380	72 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM320				
							NSM325				
							NSM330				
							NSM335				
				iii	Mono C-Si PERC Modules	NSM315-60 (315 Wp)	NSM340	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM300-60				
							NSM305-60				
							NSM310-60				
							NSM315-60				
							NSM320-60				
				iv	Mono C-Si PERC Modules	NSM285-60 (285 Wp)	NSM325-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM330-60				
							NSM275-60				
							NSM280-60				
							NSM285-60				
				v	Mono C-Si PERC Modules	NSM260-60 (260 Wp)	NSM290-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM295-60				
							NSM250-60				
							NSM255-60				
				vi	Mono C-Si PERC Modules	NSM340-66 (340 Wp)	NSM260-60	66 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM265-60				
							NSM325-66				
							NSM330-66				
							NSM335-66				
							NSM340-66				
							NSM345-66				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							NSM350-66	66 (Full Cells)	1500	10.03.2021	09.03.2023
							NSM355-66				
				vii	Mono C-Si PERC Modules	NSM305-66 (305 Wp)	NSM295-66				
							NSM300-66				
							NSM305-66				
							NSM310-66				
							NSM315-66				
							NSM320-66				
				viii	Mono C-Si PERC Modules	NSM180-36 (180 Wp)	NSM175-36	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSM180-36				
							NSM185-36				
				ix	Mono C-Si PERC Modules	NSM165-36 (165 Wp)	NSM160-36	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSM165-36				
							NSM170-36				
				x	Mono C-Si PERC Modules	NSM150-36 (150 Wp)	NSM150-36	36 (Full Cells)	1000	10.03.2021	09.03.2023
							NSM155-36				
				xi	Multi C-Si Modules	NSA330 (330 Wp)	NSA315	72 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA320				
							NSA325				
							NSA330				
							NSA335				
							NSA340				
							NSA345				
				xii	Multi C-Si Modules	NSA305 (305 Wp)	NSA295	72 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA300				
							NSA305				
							NSA310				
				xiii	Multi C-Si Modules	NSA310-66 (310 Wp)	NSA295-66	66 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA300-66				
							NSA305-66				
							NSA310-66				
							NSA315-66				
							NSA320-66				
							NSA325-66				
				xiv	Multi C-Si Modules	NSA280-66 (280 Wp)	NSA275-66	66 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA280-66				
							NSA285-66				
							NSA290-66				
				xv	Multi C-Si Modules	NSA290-60 (290 Wp)	NSA280-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA285-60				
							NSA290-60				
							NSA295-60				
							NSA300-60				
				xvi	Multi C-Si Modules	NSA265-60 (265 Wp)	NSA255-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
							NSA260-60				
							NSA265-60				
							NSA270-60				
							NSA275-60				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				xvii	Multi C-Si Modules	NSA250-60 (250 Wp)	NSA250-60	60 (Full Cells)	1500	10.03.2021	09.03.2023
				xviii	Multi C-Si Modules	NSA170-36F (170 Wp)	NSA170-36F NSA175-36F	36 (Full Cells)	1000	10.03.2021	09.03.2023
				xix	Multi C-Si Modules	NSA155-36F (155 Wp)	NSA150-36F NSA155-36F	36 (Full Cells)	1000	10.03.2021	09.03.2023
				xx	Multi C-Si Modules	NSA325-144 (325 Wp)	NSA310-144 NSA315-144 NSA320-144 NSA325-144 NSA330-144 NSA335-144 NSA340-144	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
				xxi	Multi C-Si Modules	NSA300-144 (300 Wp)	NSA300-144 NSA305-144	144 (Half Cut Cells)	1500	10.03.2021	09.03.2023
				xxii	Multi C-Si Modules	NSA165-36F (165 Wp)	NSA160-36F NSA165-36F	36 (Full Cells)	1000	10.03.2021	09.03.2023
				xxiii	Multi C-Si Modules	NSA110-36 (110 Wp)	NSA110-36	36 (Cut Cells)	1000	10.03.2021	09.03.2023
				xxiv	Multi C-Si Modules	NSA74-36 (74 Wp)	NSA74-36 NSA75-36	36 (Cut Cells)	1000	10.03.2021	09.03.2023
24	Central Electronics Ltd.	Industrial Area, Sahibabad, Uttar Pradesh, India	35	i	Multi C-Si Modules	PM-40 (40 Wp)	PM-40	36 (Cut Cells)	600	17.08.2021	16.08.2023
				ii	Multi C-Si Modules	PM-50 (50 Wp)	PM-50	36 (Cut Cells)	600	17.08.2021	16.08.2023
				iii	Multi C-Si Modules	PM-75 (75 Wp)	PM-75	36 (Cut Cells)	600	17.08.2021	16.08.2023
				iv	Multi C-Si Modules	PM-80 (80 Wp)	PM-80	36 (Cut Cells)	600	17.08.2021	16.08.2023
				v	Multi C-Si Modules	PM-100 (100 Wp)	PM-95	36 (Cut Cells)	600	17.08.2021	16.08.2023
							PM-100			17.08.2021	16.08.2023
							PM-105			17.08.2021	16.08.2023
				vi	Multi C-Si Modules	PM-120 (120 Wp)	PM-115	36 (Cut Cells)	600	17.08.2021	16.08.2023
							PM-120				
							PM-125				
				vii	Multi C-Si Modules	PM-140 (140 Wp)	PM-135	36 (Cut Cells)	600	17.08.2021	16.08.2023
							PM-140				
							PM-145				
				viii	Multi C-Si Modules	PM-150 (150 Wp)	PM-150 PM-155	36 (Full Cells)	600	17.08.2021	16.08.2023
				ix	Multi C-Si Modules	PM-160 (160 Wp)	PM-160	36 (Full Cells)	600	17.08.2021	16.08.2023
				x	Multi C-Si Modules	PM-250(60) (250 Wp)	PM-250(60)	60 (Full Cells)	1000	17.08.2021	16.08.2023
				xi	Multi C-Si Modules	PM-205 (205 Wp)	PM-200	72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PM-205				
							PM-210				
				xii	Multi C-Si Modules	PM-225 (225 Wp)	PM-215	72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PM-220				
							PM-225				
							PM-230				
							PM-235				
				xiii	Multi C-Si Modules	PM-245 (245 Wp)	PM-240	72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PM-245				
							PM-250(72)				
				xiv	Multi C-Si Modules	PM-285 (285 Wp)	PM-280	72 (Full Cells)	1000	17.08.2021	16.08.2023
							PM-285				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							PM-290				
				xv	Multi C-Si Modules	PM-305 (305 Wp)	PM-295	72 (Full Cells)	1000	17.08.2021	16.08.2023
							PM-300				
							PM-305				
							PM-310				
							PM-315				
							PM-320				
				xvi	Multi C-Si Modules	PM-330 (330 Wp)	PM-325	72 (Full Cells)	1000	17.08.2021	16.08.2023
							PM-330				
							PM-335				
							PM-340				
				xvii	Mono C-Si Modules	PMM-40 (40 Wp)	PMM-40	36 (Cut Cells)	600	17.08.2021	16.08.2023
				xviii	Mono C-Si Modules	PMM-50 (50 Wp)	PMM-50	36 (Cut Cells)	600	17.08.2021	16.08.2023
				xix	Mono C-Si Modules	PMM-75 (75 Wp)	PMM-75	36 (Cut Cells)	600	17.08.2021	16.08.2023
				xx	Mono C-Si Modules	PMM-80 (80Wp)	PMM-80	36 (Cut Cells)	600	17.08.2021	16.08.2023
				xxi	Mono C-Si Modules	PMM-100 (100 Wp)	PMM-95	36 (Cut Cells)	600	17.08.2021	16.08.2023
							PMM-100				
							PMM-105				
				xxii	Mono C-Si Modules	PMM-120 (120 Wp)	PMM-115	36 (Cut Cells)	600	17.08.2021	16.08.2023
							PMM-120				
							PMM-125				
				xxiii	Mono C-Si Modules	PMM-140 (140 Wp)	PMM-135	36 (Cut Cells)	600	17.08.2021	16.08.2023
							PMM-140				
							PMM-145				
				xxiv	Mono C-Si Modules	PMM-150 (150 Wp)	PMM-150	36 (Full Cells)	600	17.08.2021	16.08.2023
							PMM-155				
				xxv	Mono C-Si Modules	PMM-160 (160 Wp)	PMM-160	36 (Full Cells)	600	17.08.2021	16.08.2023
				xxvi	Mono C-Si Modules	PMM-250(60) (250 Wp)	PMM-250(60)	60 (Full Cells)	1000	17.08.2021	16.08.2023
				xxvii	Mono C-Si Modules	PMM-205 (205 Wp)	PMM-200	72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PMM-205				
							PMM-210				
				xxviii	Mono C-Si Modules	PMM-225 (225 Wp)	PMM-215	72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PMM-220				
							PMM-225				
							PMM-230				
							PMM-235				
				xxix	Mono C-Si Modules	PMM-245 (245 Wp)	PMM-240	72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PMM-245				
							PMM-250(72)				
				xxx	Mono C-Si Modules	PMM-285 (285 Wp)	PMM-280	72 (Full Cells)	1000	17.08.2021	16.08.2023
							PMM-285				
							PMM-290				
				xxxi	Mono C-Si Modules	PMM-305 (305 Wp)	PMM-295	72 (Full Cells)	1000	17.08.2021	16.08.2023
							PMM-300				
							PMM-305				
							PMM-310				
							PMM-315				
							PMM-320				
				xxxii	Mono C-Si Modules	PMM-335 (335 Wp)	PMM-325	72 (Full Cells)	1000	17.08.2021	16.08.2023

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							PMM-330				
							PMM-335				
							PMM-340				
							PMM-345				
							PMM-350				
25	Patanjali Renewable Energy Pvt. Ltd.	UPSIDC Industrial Area, Greater Noida, Uttar Pradesh, India	70	i	Multi C-Si Modules	PREL-40Wp (40 Wp)	PREL-40Wp	36 (Cut Cell)	600	17.08.2021	16.08.2023
				ii	Multi C-Si Modules	PREL-50Wp (50 Wp)	PREL-50Wp	36 (Cut Cell)	600	17.08.2021	16.08.2023
				iii	Multi C-Si Modules	PREL-60Wp (60 Wp)	PREL-60Wp	36 (Cut Cell)	600	17.08.2021	16.08.2023
				iv	Multi C-Si Modules	PREL-75Wp (75 Wp)	PREL-75Wp	36 (Cut Cell)	600	17.08.2021	16.08.2023
				v	Multi C-Si Modules	PREL-100Wp (100 Wp)	PREL-100Wp	36 (Cut Cell)	600	17.08.2021	16.08.2023
				vi	Multi C-Si Modules	PREL-150Wp (150 Wp)	PREL-150Wp	36 (Full Cell)	1000	17.08.2021	16.08.2023
				vii	Multi C-Si Modules	PREL-250Wp (250 Wp)	PREL-250Wp	60 (Full Cell)	1000	17.08.2021	16.08.2023
				viii	Multi C-Si Modules	PREL-265Wp (265 Wp)	PREL-255Wp	60 (Full Cell)	1000	17.08.2021	16.08.2023
							PREL-260WP				
							PREL-265WP				
							PREL-270Wp				
							PREL-275WP				
				ix	Multi C-Si Modules	PREL-300Wp (300 Wp)	PREL-300Wp	72 (Full Cell)	1000	17.08.2021	16.08.2023
							PREL-305Wp				
							PREL-310Wp				
							PREL-315Wp				
				x	Multi C-Si Modules	PREL-330Wp (330 Wp)	PREL-320Wp	72 (Full Cell)	1000	17.08.2021	16.08.2023
							PREL-325Wp				
							PREL-330Wp				
							PREL-335Wp				
							PREL-340Wp				
26	Jakson Engineers Ltd.	Ecotech III, Udyog Kendra, Greater Noida, Uttar Pradesh, India	80	i	Multi C-Si Modules	JPH-24x320 (320 Wp)	JPH-24x305	72 (Full Cells)	1500	17.08.2021	16.08.2023
							JPH-24x310				
							JPH-24x315				
							JPH-24x320				
							JPH-24x325				
							JPH-24x330				
							JPH-24x335				
							JPH-24x250				
				ii	Multi C-Si Modules	JPH-24x260 (260 Wp)	JPH-24x255	60 (Full Cells)	1500	17.08.2021	16.08.2023
							JPH-24x260				
							JPH-24x265				
							JPH-24x270				
							JP-H345M	72 (Full Cells)	1500	17.08.2021	16.08.2023
							JP-H350M				
							JP-H355M				
							JP-H360M				
							JP-H365M				
							JP-H370M				
							JP-H375M				
				iv	Mono C-Si Modules	JP-H380M (380 Wp)	JP-H380M	72 (Full Cells)	1500	17.08.2021	16.08.2023
				v	Mono C-Si Modules	JP-H395M (395 Wp)	JP-H385M	72 (Full Cells)	1500	17.08.2021	16.08.2023
							JP-H390M				
							JP-H395M				
							JP-H400M				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				vi	Mono C-Si Modules	JP-B325M (325 Wp)	JP-H405M	60 (Full Cells)	1500	17.08.2021	16.08.2023
							JP-B315M				
							JP-B320M				
							JP-B325M				
							JP-B330M				
							JP-B335M				
							JP-B340M				
				vii	Mono C-Si Modules	JP-H305M (305 Wp)	JP-H290M	60 (Full Cells)	1500	17.08.2021	16.08.2023
							JP-H295M				
							JP-H300M				
							JP-H305M				
							JP-H310M				
							JP-H315M				
							JP-H320M				
				i	Multi C-Si Modules	HIMSOL-00243 (300 Wp)	HIMSOL-85242	72 (Full Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-85243				
							HIMSOL-72				
				ii	Multi C-Si Modules	HIMSOL-30243 (330 Wp)	HIMSOL-20243	72 (Full Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-25243				
							HIMSOL-30243				
							HIMSOL-35243				
				iii	Multi C-Si Modules	HIMSOL-60 (260 Wp)	HIMSOL-50242	60 (Full Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-60				
							HIMSOL-65242				
							HIMSOL-70242				
				iv	Multi C-Si Modules	HIMSOL-75242 (275 Wp)	HIMSOL-75242	60 (Full Cells)	1000	29.09.2021	28.09.2023
				v	Multi C-Si Modules	HIMSOL-72/275 (275 Wp)	HIMSOL-72/275	72 (Cut Cells)	1000	29.09.2021	28.09.2023
				vi	Multi C-Si Modules	HIMSOL-72/290 (290 Wp)	HIMSOL-72/280	72 (Cut Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-72/285				
							HIMSOL-72/290				
							HIMSOL-72/295				
							HIMSOL-72/300				
				vii	Multi C-Si Modules	HIMSOL-72/260 (260 Wp)	HIMSOL-72/250	72 (Cut Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-72/255				
							HIMSOL-72/260				
							HIMSOL-72/265				
							HIMSOL-72/270				
				viii	Multi C-Si Modules	HIMSOL-24210 (210 Wp)	HIMSOL-24200	48 (Full Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-24210				
							HIMSOL-24220				
				ix	Multi C-Si Modules	HIMSOL-12155 (155 Wp)	HIMSOL-12150	36 (Full Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-12155				
							HIMSOL-12160				
				x	Multi C-Si Modules	HIMSOL-12120 (120 Wp)	HIMSOL-12115	36 (Cut Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-12120				
							HIMSOL-12125				
				xi	Multi C-Si Modules	HIMSOL-12105 (105 Wp)	HIMSOL-12100	36 (Cut Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-12105				
							HIMSOL-12110				
				xii	Multi C-Si Modules	HIMSOL-1285 (85 Wp)	HIMSOL-1285	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xiii	Multi C-Si Modules	HIMSOL-1280 (80 Wp)	HIMSOL-1280	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xiv	Multi C-Si Modules	HIMSOL-1275 (75 Wp)	HIMSOL-1275	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xv	Multi C-Si Modules	HIMSOL-1265 (65 Wp)	HIMSOL-1265	36 (Cut Cells)	1000	29.09.2021	28.09.2023

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
28	Sun N Sand Exim (India) Pvt. Ltd.	HSIDC Industrial Estate, Bahadurgarh, Distt-Jhajjar, Haryana	40	xvi	Multi C-Si Modules	HIMSOL-1260 (60 Wp)	HIMSOL-1260	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xvii	Multi C-Si Modules	HIMSOL-1255 (55 Wp)	HIMSOL-1255	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xviii	Multi C-Si Modules	HIMSOL-1250 (50 Wp)	HIMSOL-1250	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xix	Multi C-Si Modules	HIMSOL-1240 (40 Wp)	HIMSOL-1240	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				i	Multi C-Si Modules	SNS72FP325Wp (325 Wp)	SNS72FP310Wp	72 (Full Cells)	1500	29.09.2021	28.09.2023
							SNS72FP315Wp				
							SNS72FP320Wp				
							SNS72FP325Wp				
							SNS72FP330Wp				
							SNS72FP335Wp				
							SNS72FP340Wp				
				ii	Multi C-Si Modules	SNS60FP260Wp (260 Wp)	SNS60FP250Wp	60 (Full Cells)	1500	29.09.2021	28.09.2023
							SNS60FP255Wp				
							SNS60FP260Wp				
							SNS60FP265Wp				
				iii	Multi C-Si Modules	SNS36FP160Wp (160 Wp)	SNS60FP270Wp	36 (Full Cells)	600	29.09.2021	28.09.2023
							SNS36FP155Wp				
							SNS36FP160Wp				
				iv	Multi C-Si Modules	SNS36CP115Wp (115 Wp)	SNS36FP165Wp	36 (Cut Cells)	600	29.09.2021	28.09.2023
							SNS36CP110Wp				
							SNS36CP115Wp				
				v	Multi C-Si Modules	SNS36CP100Wp (100 Wp)	SNS36CP120Wp	36 (Cut Cells)	600	29.09.2021	28.09.2023
							SNS36CP100Wp				
							SNS36CP080Wp				
29	Insolation Energy Pvt. Ltd.	Khasra No 766/2, Vill-Bagwara, Teh-Amer Jaipur, Rajasthan	100	i	Multi C-Si Modules	INA72P325 (325 Wp)	SNS36CP075Wp (75 Wp)	36 (Cut Cells)	600	29.09.2021	28.09.2023
							SNS36CP060Wp (60 Wp)				
							SNS36CP050Wp (50 Wp)				
							SNS36CP040Wp (40 Wp)				
				ii	Multi C-Si Modules	INA60P265 (265 Wp)	SNS36CP040Wp	36 (Cut Cells)	600	29.09.2021	28.09.2023
							INA72P315				
							INA72P320				
							INA72P325				
				iii	Multi C-Si Modules	INA36P160 (160 Wp)	INA72P330	60 (Full Cells)	1000	29.09.2021	28.09.2023
							INA60P260				
							INA60P265				
							INA60P270				
				iv	Mono PERC C-Si Modules	INA72MP365 (365 Wp)	INA60P275	36 (Full Cells)	1000	29.09.2021	28.09.2023
							INA36P155				
							INA36P160				
							INA36P165				
30	Pennar Industries Ltd.	Chandpur, Sadasivapet, Sangareddy, Telangana	75	i	Multi C-Si Modules	PIL-72P-325 (325Wp)	INA72MP360	72 (Full Cells)	1500	29.09.2021	28.09.2023
							INA72MP365				
							INA72MP370				
							INA72MP375				
				ii	Mono PERC C-Si Modules	PIL-72M-395 (395Wp)	PIL-72P-315	72 (Full Cells)	1500	29.09.2021	28.09.2023
							PIL-72P-320				
							PIL-72P-325				
							PIL-72P-330				
							PIL-72P-335				
							PIL-72M-380				
							PIL-72M-385				
							PIL-72M-390				
							PIL-72M-395				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							PIL-72M-400				
31	GreenBrilliance Renewable Energy LLP.	GIDC Estate, Waghodia, Vadodara, Gujarat	50	i	Multi C-Si Modules	GBPLC-36-040-12 (40Wp)	GBPLC-36-040-12	36 (Cut Cells)	600	29.09.2021	28.09.2023
				ii	Multi C-Si Modules	GBPLC-36-075-12 (75Wp)	GBPLC-36-075-12	36 (Cut Cells)	600	29.09.2021	28.09.2023
				iii	Multi C-Si Modules	GBPLC-36-100-12 (100Wp)	GBPLC-36-100-12	36 (Cut Cells)	600	29.09.2021	28.09.2023
				iv	Multi C-Si Modules	GBPLF-36-165-12 (165Wp)	GBPLC-36-160-12	36 (Full Cells)	600	29.09.2021	28.09.2023
							GBPLC-36-165-12				
							GBPLC-36-170-12				
				v	Multi C-Si Modules	GBPLF-72-340-24 (340Wp)	GBPLF-72-330-24	72 (Full Cells)	1000	29.09.2021	28.09.2023
							GBPLF-72-335-24				
							GBPLF-72-340-24				
							GBPLF-72-345-24				
							GBPLF-72-350-24				
							GBPLF-72-355-24				
				vi	Mono C-Si Modules	GBMOF-72-365-24 (340Wp)	GBMOF-72-360-24	72 (Full Cells)	1000	29.09.2021	28.09.2023
							GBMOF-72-365-24				
							GBMOF-72-370-24				
32	Sanelite Solar Pvt. Ltd.	Bhagyalaxmi Industrial Estate, Rakanpur Taluka, Kalol Dist, Gandhinagar, Gujarat.	20	i	Multi C-Si Modules.	SS-72P340F (340Wp)	SS-72P330F	72 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-72P335F				
							SS-72P340F				
				ii	Multi C-Si Modules.	SS-72P315F (315Wp)	SS-72P300F	72 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-72P305F				
							SS-72P310F				
							SS-72P315F				
							SS-72P320F				
							SS-72P325F				
				iii	Multi C-Si Modules.	SS-60P285F (285Wp)	SS-60P275F	60 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-60P280F				
							SS-60P285F				
							SS-60P290F				
							SS-60P295F				
				iv	Multi C-Si Modules.	SS-60P260F (260Wp)	SS-60P250F	60 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-60P255F				
							SS-60P260F				
							SS-60P265F				
							SS-60P270F				
				v	Multi C-Si Modules.	SS-48P215F (215Wp)	SS-48P205F	48 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-48P210F				
							SS-48P215F				
							SS-48P220F				
							SS-48P225F				
				vi	Multi C-Si Modules.	SS-36P100C (100Wp)	SS-36P100C	36 (Cut Cells)	600	29.09.2021	28.09.2023
				vii	Multi C-Si Modules.	SS-36P75C (75Wp)	SS-36P74C	36 (Cut Cells)	600	29.09.2021	28.09.2023
							SS-36P75C				
				viii	Multi C-Si Modules.	SS-36P40C (40Wp)	SS-36P40C	36 (Cut Cells)	600	29.09.2021	28.09.2023
				ix	Multi C-Si Modules.	SS-36P160F (160Wp)	SS-36P155F	36 (Full Cells)	600	29.09.2021	28.09.2023
							SS-36P160F				
							SS-36P165F				
33	Gautam Solar Pvt. Ltd.	Sector-8A IIE, Sidcul Haridwar, Uttrakhand-249403, India.	110	i	Multi C-Si Modules	SSGS-72P300 (300Wp)	SSGS-72P285	72 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P290				
							SSGS-72P295				
							SSGS-72P300				
							SSGS-72P305				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							SSGS-72P310				
				ii	Multi C-Si Modules	SSGS-72P325 (325Wp)	SSGS-72P315	72 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P320				
							SSGS-72P325				
							SSGS-72P330				
							SSGS-72P335				
				iii	Multi C-Si Modules	SSGS-66P250 (250Wp)	SSGS-66P250	66 (Full Cells)	1000	29.09.2021	28.09.2023
				iv	Multi C-Si Modules	SSGS-66P270 (270Wp)	SSGS-66P260	66 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-66P270				
							SSGS-66P275				
							SSGS-66P280				
				v	Multi C-Si Modules	SSGS-66P295 (295Wp)	SSGS-66P285	66 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-66P290				
							SSGS-66P295				
							SSGS-66P300				
				vi	Multi C-Si Modules	SSGS-60P260 (260Wp)	SSGS-60P250	60 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-60P255				
							SSGS-60P260				
							SSGS-60P265				
							SSGS-60P270				
				vii	Multi C-Si Modules	SSGS-60P275 (275Wp)	SSGS-60P275	60 (Full Cells)	1000	29.09.2021	28.09.2023
				viii	Multi C-Si Modules	SSGS-60P290 (290Wp)	SSGS-60P280	60 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-60P285				
							SSGS-60P290				
							SSGS-60P295				
							SSGS-60P300				
				ix	Multi C-Si Modules	SSGS-54P230 (230Wp)	SSGS-54P220	54 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-54P225				
							SSGS-54P230				
							SSGS-54P235				
							SSGS-54P240				
				x	Multi C-Si Modules	SSGS-48P195 (195Wp)	SSGS-48P190	48 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-48P195				
							SSGS-48P200				
				xi	Multi C-Si Modules	SSGS-48P215 (215Wp)	SSGS-48P205	48 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-48P210				
							SSGS-48P215				
							SSGS-48P220				
				xii	Multi C-Si Modules	SSGS-42P185 (185Wp)	SSGS-42P180	42 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-42P185				
				xiii	Multi C-Si Modules	SSGS-42P195 (195Wp)	SSGS-42P190	42 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-42P195				
				xiv	Multi C-Si Modules	SSGS-36P155 (155Wp)	SSGS-36P150	36 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-36P155				
				xv	Multi C-Si Modules	SSGS-36P165 (165Wp)	SSGS-36P160	36 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-36P165				
				xvi	Multi C-Si Modules	SSGS-32P140 (140Wp)	SSGS-32P135	32 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-32P140				
				xvii	Multi C-Si Modules	SSGS-32P150 (150Wp)	SSGS-32P145	32 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-32P150				
				xviii	Multi C-Si Modules	SSGS-36P25 (25Wp)	SSGS-36P24	36 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-36P25				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				xix	Multi C-Si Modules	SSGS-36P30 (30Wp)	SSGS-36P30	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xx	Multi C-Si Modules	SSGS-36P35 (35Wp)	SSGS-36P35	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxi	Multi C-Si Modules	SSGS-36P37 (37Wp)	SSGS-36P37	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxii	Multi C-Si Modules	SSGS-36P40 (40Wp)	SSGS-36P40	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxii	Multi C-Si Modules	SSGS-36P45 (45Wp)	SSGS-36P45	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxiv	Multi C-Si Modules	SSGS-36P50 (50Wp)	SSGS-36P50	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxv	Multi C-Si Modules	SSGS-36P55 (55Wp)	SSGS-36P55	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxvi	Multi C-Si Modules	SSGS-36P60 (60Wp)	SSGS-36P60	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxvii	Multi C-Si Modules	SSGS-36P65 (65Wp)	SSGS-36P65	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxviii	Multi C-Si Modules	SSGS-36P70 (70Wp)	SSGS-36P70	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxix	Multi C-Si Modules	SSGS-36P74 (74Wp)	SSGS-36P74	36 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-36P75				
				xxx	Multi C-Si Modules	SSGS-36P80 (80Wp)	SSGS-36P80	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxxi	Multi C-Si Modules	SSGS-36P85 (85Wp)	SSGS-36P85	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxxii	Multi C-Si Modules	SSGS-36P90 (90Wp)	SSGS-36P90	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxxiii	Multi C-Si Modules	SSGS-36P95 (95Wp)	SSGS-36P95	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxxiv	Multi C-Si Modules	SSGS-36P105 (105Wp)	SSGS-36P100	36 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-36P105				
							SSGS-36P110				
				xxxv	Multi C-Si Modules	SSGS-36P120 (120Wp)	SSGS-36P115	36 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-36P120				
							SSGS-36P125				
				xxxvi	Multi C-Si Modules	SSGS-36P135 (135Wp)	SSGS-36P130	36 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-36P135				
							SSGS-36P140				
				xxxvii	Multi C-Si Modules	SSGS-60P210 (210Wp)	SSGS-60P200	60 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-60P205				
							SSGS-60P210				
							SSGS-60P215				
							SSGS-60P220				
				xxxviii	Multi C-Si Modules	SSGS-60P235 (235Wp)	SSGS-60P225	60 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-60P230				
							SSGS-60P235				
							SSGS-60P240				
							SSGS-60P245				
				xxxix	Multi C-Si Modules	SSGS-72P210 (210Wp)	SSGS-72P200	72 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P205				
							SSGS-72P210				
							SSGS-72P215				
							SSGS-72P220				
				xxxx	Multi C-Si Modules	SSGS-72P235 (235Wp)	SSGS-72P225	72 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P230				
							SSGS-72P235				
							SSGS-72P240				
							SSGS-72P245				
				xxxxi	Multi C-Si Modules	SSGS-72P260 (260Wp)	SSGS-72P250	72 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P255				
							SSGS-72P260				
							SSGS-72P265				
							SSGS-72P270				
				xxxxii	Multi C-Si Modules	SSGS-72P280 (280Wp)	SSGS-72P275	72 (Cut Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P280				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity		
										From	To	
				xxxiii	Multi C-Si Modules	SSGS-72P250/12V (250Wp)	SSGS-72P250/12V	72 (Cut Cells)	1000	29.09.2021	28.09.2023	
				xxxiv	Multi C-Si Modules	SSGS-72P200/12V (200Wp)	SSGS-72P200/12V	72 (Cut Cells)	1000	29.09.2021	28.09.2023	
				xxxv	Multi C-Si Modules	SSGS-120P260 (260Wp)	SSGS-120P250	120 (Cut Cells)	1000	29.09.2021	28.09.2023	
							SSGS-120P255					
							SSGS-120P260					
							SSGS-120P265					
							SSGS-120P270					
				xxxvi	Multi C-Si Modules	SSGS-120P275 (275Wp)	SSGS-120P275	120 (Cut Cells)	1000	29.09.2021	28.09.2023	
				xxxvii	Multi C-Si Modules	SSGS-120P290 (290Wp)	SSGS-120P280	120 (Cut Cells)	1000	29.09.2021	28.09.2023	
							SSGS-120P285					
							SSGS-120P290					
							SSGS-120P295					
							SSGS-120P300					
				xxxviii	Multi C-Si Modules	SSGS-144P315 (315Wp)	SSGS-144P300	144 (Cut Cells)	1000	29.09.2021	28.09.2023	
							SSGS-144P305					
SSGS-144P310												
SSGS-144P315												
SSGS-144P320												
SSGS-144P325												
SSGS-144P330												
xxxix	Multi C-Si Modules	SSGS-144P335 (335Wp)	SSGS-144P335	144 (Cut Cells)	1000	29.09.2021	28.09.2023					
34	Solarium Green Energy LLP.	At Bhamasra, Ta: Bavla, Dist: Ahmedabad-382240, Gujarat, India.	70	i	Multi C-Si Modules	SGE24P330 (330Wp)	SGE24P315	72 (Full Cells)	1000	29.09.2021	28.09.2023	
35	Novasys Greenergy Pvt. Ltd	Khasra No. 185, Mouza: Mahalgaon, Tehsil: Kamptee, Nagpur-441202, Maharashtra	100	i	Multi C-Si Modules	NOVA40P36 (40Wp)	NOVA40P36	36 (Cut Cells)	600	10.11.2021	09.11.2023	
							NOVA50P36 (50Wp)	NOVA50P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
							NOVA60P36 (60Wp)	NOVA60P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
							NOVA75P36 (75Wp)	NOVA75P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
							NOVA25P36 (25Wp)	NOVA25P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
							NOVA90P36 (90Wp)	NOVA90P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
							NOVA100P36 (100Wp)	NOVA100P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
				viii	Multi C-Si Modules	NOVA125P36 (125Wp)	NOVA125P36	36 (Cut Cells)	600	10.11.2021	09.11.2023	
							NOVA160P36 (160Wp)	NOVA155P36	36 (Cut Cells)	1500	10.11.2021	09.11.2023
								NOVA160P36				
				x	Multi C-Si Modules	NOVA210P48 (210Wp)	NOVA165P36	48 (Full Cells)	1500	10.11.2021	09.11.2023	
							NOVA205P48					
							NOVA210P48					
							NOVA215P48					
				xi	Multi C-Si Modules	NOVA240P54 (240Wp)	NOVA220P48	54 (Full Cells)	1500	10.11.2021	09.11.2023	
							NOVA230P54					
							NOVA235P54					
							NOVA240P54					
							NOVA245P54					
				xii	Multi C-Si Modules	NOVA270P60 (270Wp)	NOVA250P54	60 (Full Cells)	1500	10.11.2021	09.11.2023	
							NOVA260P60					
NOVA265P60												
NOVA270P60												
							NOVA275P60					

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							NOVA280P60				
				xiii	Multi C-Si Modules	NOVA300P66 (300Wp)	NOVA285P66	66 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA290P66				
							NOVA295P66				
							NOVA300P66				
							NOVA305P66				
							NOVA310P66				
							NOVA315P66				
				xiv	Multi C-Si Modules	NOVA270P120 (270Wp)	NOVA260P120	120 (Half-Cut Cells)	1500	10.11.2021	09.11.2023
							NOVA265P120				
							NOVA270P120				
							NOVA275P120				
							NOVA280P120				
				xv	Multi C-Si Modules	NOVA320P144 (320Wp)	NOVA305P144	144 (Half-Cut Cells)	1500	10.11.2021	09.11.2023
							NOVA310P144				
							NOVA315P144				
							NOVA320P144				
							NOVA325P144				
							NOVA330P144				
							NOVA335P144				
				xvi	Multi C-Si Modules	NOVA320P72 (320Wp)	NOVA305P72	72 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA310P72				
							NOVA315P72				
							NOVA320P72				
							NOVA325P72				
							NOVA330P72				
							NOVA335P72				
				xvii	Multi C-Si Modules	NOVA350P72 (350Wp)	NOVA340P72	72 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA345P72				
							NOVA350P72				
				xviii	Mono PERC C-Si Modules	NOVA165MP32 (165Wp)	NOVA165MP32	32 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA170MP32				
				xix	Mono PERC C-Si Modules	NOVA190MP36 (190Wp)	NOVA185MP36	36 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA190MP36				
							NOVA195MP36				
				xx	Mono PERC C-Si Modules	NOVA250MP48 (250Wp)	NOVA240MP48	48 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA245MP48				
							NOVA250MP48				
							NOVA255MP48				
							NOVA260MP48				
				xxi	Mono PERC C-Si Modules	NOVA355MP72 (355Wp)	NOVA355MP72	72 (Full Cells)	1500	10.11.2021	09.11.2023
				xxii	Mono PERC C-Si Modules	NOVA315MP60 (315Wp)	NOVA300MP60	60 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA305MP60				
							NOVA310MP60				
							NOVA315MP60				
							NOVA320MP60				
							NOVA325MP60				
							NOVA330MP60				
				xxiii	Mono PERC C-Si Modules	NOVA350MP66 (350Wp)	NOVA335MP66	66 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA340MP66				
							NOVA345MP66				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				xxiv	Mono PERC C-Si Modules	NOVA285MP54 (285Wp)	NOVA350MP66	54 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA355MP66				
							NOVA360MP66				
							NOVA275MP54				
							NOVA280MP54				
							NOVA285MP54				
							NOVA290MP54				
							NOVA295MP54				
				xxv	Mono PERC C-Si Modules	NOVA380MP72 (380Wp)	NOVA365MP72	72 (Full Cells)	1500	10.11.2021	09.11.2023
							NOVA370MP72				
							NOVA375MP72				
							NOVA380MP72				
							NOVA385MP72				
							NOVA390MP72				
							NOVA395MP72				
				xxvi	Mono PERC C-Si Modules	NOVA380MP144 (380Wp)	NOVA375MP144	144 (Half-Cut Cells)	1500	10.11.2021	09.11.2023
							NOVA380MP144				
							NOVA385MP144				
							NOVA390MP144				
							NOVA395MP144				
36	Pahal Solar	189, Block No.-71, Olpad Sayan Road, Atodara, Olpad Surat-394540, Gujarat.	100	i	Multi C-Si Modules	PS330PM_72S (330Wp)	PS315PM_72S	72 (Full Cells)	1000	10.11.2021	09.11.2023
							PS320PM_72S				
							PS325PM_72S				
							PS330PM_72S				
				ii	Multi C-Si Modules	PS270PM_60S (270Wp)	PS260PM_60S	60 (Full Cells)	1000	10.11.2021	09.11.2023
							PS265PM_60S				
							PS270PM_60S				
							PS275PM_60S				
				iii	Multi C-Si Modules	PS250PM_54S (250Wp)	PS240PM_54S	54 (Full Cells)	1000	10.11.2021	09.11.2023
							PS245PM_54S				
							PS250PM_54S				
				iv	Multi C-Si Modules	PS165PM_36S (165Wp)	PS155PM_36S	36 (Full Cells)	600	10.11.2021	09.11.2023
							PS160PM_36S				
							PS165PM_36S				
				v	Multi C-Si Modules	PS105PM_36S (105Wp)	PS105PM_36S	36 (Cut Cells)	600	10.11.2021	09.11.2023
							PS110PM_36S				
				vi	Multi C-Si Modules	PS080PM_36S (80Wp)	PS080PM_36S	36 (Cut Cells)	600	10.11.2021	09.11.2023
				vii	Multi C-Si Modules	PS075PM_36S (75Wp)	PS075PM_36S	36 (Cut Cells)	600	10.11.2021	09.11.2023
				viii	Multi C-Si Modules	PS050PM_36S (50Wp)	PS050PM_36S	36 (Cut Cells)	600	10.11.2021	09.11.2023
				ix	Multi C-Si Modules	PS040PM_36S (40Wp)	PS040PM_36S	36 (Cut Cells)	600	10.11.2021	09.11.2023
				x	Multi C-Si Modules	PS030PM_36S (30Wp)	PS030PM_36S	36 (Cut Cells)	600	10.11.2021	09.11.2023
				xi	Multi C-Si Modules	PS020PM_36S (20Wp)	PS020PM_36S	36 (Cut Cells)	600	10.11.2021	09.11.2023
				xii	Multi C-Si Modules	PS010PM_36S (10Wp)	PS010PM_36S	36 (Cut Cells)	600	10.11.2021	09.11.2023
				xiii	Multi C-Si Modules	PS005PM_18S (5Wp)	PS005PM_18S	18 (Cut Cells)	600	10.11.2021	09.11.2023
37	Pixon Green Energy Pvt. Ltd.	R.S. No. 157/1, 158/1, 158/2, 165/1, 166 of Khijadiya Nana, R.S. No. 15/1 of Depaliya, Padadhari, Rajkot Gujarat-360110	355	i	Multi C-Si Modules	PIX PD2 72 320 (320 Wp)	PIX PD2 72 305	72 (Full Cells)	1500	10.11.2021	09.11.2023
							PIX PD2 72 310				
							PIX PD2 72 315				
							PIX PD2 72 320				
							PIX PD2 72 325				
							PIX PD2 72 330				
							PIX PD2 72 335				
				ii	Multi C-Si Modules	PIX P2 72 330 (330 Wp)	PIX P2 72 315	72 (Full Cells)	1500	10.11.2021	09.11.2023

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
						PIX MP3 72 385 (385 Wp)	PIX P2 72 320	72 (Full Cells)	1500	10.11.2021	09.11.2023
							PIX P2 72 325				
							PIX P2 72 330				
							PIX P2 72 335				
							PIX P2 72 340				
				iii	Mono PERC C-Si Modules	PIX MP3 72 385 (385 Wp)	PIX MP3 72 370				
							PIX MP3 72 375				
							PIX MP3 72 380				
							PIX MP3 72 385				
							PIX MP3 72 390				
							PIX MP3 72 395				
							PIX MP3 72 400				
38	Alpex Solar Pvt. Ltd.	Plot No. I-25 & I-26, UPSIDC, Site-5, Kasna, Greater Noida, Uttar Pradesh-201306	240	i	Multi C-Si Modules	ALP40C-P36 (40Wp)	ALP40C-P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
				ii	Multi C-Si Modules	ALP55C-P36 (55Wp)	ALP55C-P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
				iii	Multi C-Si Modules	ALP80C-P36 (80Wp)	ALP80C-P36	36 (Half-Cut Cells)	600	10.11.2021	09.11.2023
				iv	Multi C-Si Modules	ALP110C-P36 (110Wp)	ALP105C-P36	36 (Cut Cells)	600	10.11.2021	09.11.2023
							ALP110C-P36				
							ALP115C-P36				
				v	Multi C-Si Modules	ALP165W (165Wp)	ALP160W	36 (Full Cells)	1500	10.11.2021	09.11.2023
							ALP165W				
							ALP170W				
				vi	Multi C-Si Modules	ALP295W (295Wp)	ALP285W	66 (Full Cells)	1500	10.11.2021	09.11.2023
							ALP290W				
							ALP295W				
							ALP300W				
							ALP305W				
				vii	Multi C-Si Modules	ALP325W (325Wp)	ALP310W	72 (Full Cells)	1500	10.11.2021	09.11.2023
							ALP315W				
							ALP320W				
							ALP325W				
							ALP330W				
							ALP335W				
							ALP340W				
				viii	MONO C-Si PERC Modues	ALP65C-M36 (65Wp)	ALP65C-M36	36 (Cut Cells)	600	10.11.2021	09.11.2023
				ix	MONO C-Si PERC Modues	ALP95C-M36 (95Wp)	ALP95C-M36	36 (Half-Cut Cells)	600	10.11.2021	09.11.2023
				x	MONO C-Si PERC Modues	ALP130C-M36 (130Wp)	ALP125C-M36	36 (Cut Cells)	600	10.11.2021	09.11.2023
							ALP130C-M36				
							ALP135C-M36				
				xi	MONO C-Si PERC Modues	ALP185WM (185Wp)	ALP180WM	36 (Full Cells)	1500	10.11.2021	09.11.2023
							ALP185WM				
							ALP190WM				
				xii	MONO C-Si PERC Modues	ALP370WM (370Wp)	ALP355WM	72 (Full Cells)	1500	10.11.2021	09.11.2023
							ALP360WM				
							ALP365WM				
							ALP370WM				
							ALP375WM				
							ALP380WM				
							ALP385WM				
39	Vikram Solar Ltd. (Chennai,	B1000A, B1100C, Indospace	972	i	Multi C-Si Modules.	ELDORA VSPH.72.350.05, (350Wp)	ELDORA VSPH.72.340.05	144 (Half-Cut Cells)	1500	10.11.2021	09.11.2023
							ELDORA VSPH.72.345.05				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
	Kanchipuram, Tamil Nadu Plant)	Industrial Park, Panruti Pvt. Ltd., Survey No-2/A, Sriperumbudur Taluk, Panaiyur Village, Kanchipuram, Tamil Nadu-603302, India.					ELDORA VSPH.72.350.05				
							ELDORA VSPH.72.355.05				
				ii	Mono C-Si PERC Monofacial Modules.	SOMERA VSMH.72.440.05, (440Wp)	SOMERA VSMH.72.435.05	144 (Half-Cut Cells)	1500	10.11.2021	09.11.2023
							SOMERA VSMH.72.440.05				
				iii	Mono C-Si PERC Monofacial Modules.	SOMERA VSMH.72.530.05, (530Wp)	SOMERA VSMH.72.520.05	144 (Half-Cut Cells)	1500	10.11.2021	09.11.2023
							SOMERA VSMH.72.525.05				
							SOMERA VSMH.72.530.05				
							SOMERA VSMH.72.535.05				
				iv	Mono C-Si PERC Bi-Facial Modules.	PREXOS VSMDHT.72.435.05, (435Wp)	PREXOS VSMDHT.72.435.05	144 (Half-Cut Cells)	1500	10.11.2021	09.11.2023
				v	Mono C-Si PERC Bi-Facial Modules.	PREXOS VSMDHT.72.530.05, (530Wp)	PREXOS VSMDHT.72.520.05	144 (Half-Cut Cells)	1500	10.11.2021	09.11.2023
40	Contendre Greenergy Pvt. Ltd.	Unit No: I/6, Rajlakshmi HiTech Industrial Park, Sonale Village, Bhiwandi, Maharashtra	47	i	Multi C-Si Modules	CG P36-40 (40Wp)	CG P36-40	36 (Half-Cut Cells)	1500	30.12.2021	29.12.2023
				ii	Multi C-Si Modules	CG P36-160 (160Wp)	CG P36-155	36 (Full Cells)	1500	30.12.2021	29.12.2023
							CG P36-160				
							CG P36-165				
				iii	Multi C-Si Modules	CG P72-320 (320Wp)	CG P72-305	72 (Full Cells)	1500	30.12.2021	29.12.2023
							CG P72-310				
							CG P72-315				
							CG P72-320				
							CG P72-325				
							CG P72-330				
							CG P72-335				
				iv	Mono C-Si PERC Modues	CG M72-400 (400Wp)	CG M72-380	72 (Full Cells)	1500	30.12.2021	29.12.2023
							CG M72-385				
							CG M72-390				
							CG M72-395				
							CG M72-400				
							CG M72-405				
							CG M72-410				
							CG M72-415				
				i	Multi- C-Si Modules.	RSPL24P330, (330Wp)	RSPL24P320	72 Full Cells	1000	30.12.2021	29.12.2023
							RSPL24P325				
							RSPL24P330				
							RSPL24P335				
				ii	Multi- C-Si Modules	RSPL24P330J, (330Wp)	RSPL24P320J	72 Full Cells	1000	30.12.2021	29.12.2023
							RSPL24P325J				
							RSPL24P330J				
				iii	Multi- C-Si Modules	RSPL24CP330, (330Wp)	RSPL24CP320	144 Half-Cut Cells	1000	30.12.2021	29.12.2023
							RSPL24CP325				
							RSPL24CP330				
							RSPL24CP335				
				iv	Multi- C-Si Modules	RSPL24CP330J, (330Wp)	RSPL24CP320J	144 Half-Cut Cells	1000	30.12.2021	29.12.2023
							RSPL24CP330J				
				v	Multi- C-Si Modules	RSPL18P260J, (260Wp)	RSPL18P250J	60 Full Cells	1000	30.12.2021	29.12.2023
							RSPL18P260J				
							RSPL18P270J				
				vi	Multi- C-Si Modules	RSPL18P260, (260Wp)	RSPL18P250	60 Full Cells	1000	30.12.2021	29.12.2023
							RSPL18P260				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							RSPL18P270				
				vii	Multi- C-Si Modules	RSPL12P150, (150Wp)	RSPL12P150	36 Full Cells	600	30.12.2021	29.12.2023
				viii	Multi- C-Si Modules	RSPL12P160, (160Wp)	RSPL12P160	36 Full Cells	600	30.12.2021	29.12.2023
				ix	Multi- C-Si Modules	RSPL12P170, (170Wp)	RSPL12P170	36 Full Cells	600	30.12.2021	29.12.2023
				x	Multi- C-Si Modules	RSPL12P150J, (150Wp)	RSPL12P150J	36 Full Cells	600	30.12.2021	29.12.2023
				xi	Multi- C-Si Modules	RSPL12P160J, (160Wp)	RSPL12P160J	36 Full Cells	600	30.12.2021	29.12.2023
				xii	Multi- C-Si Modules	RSPL12P170J, (170Wp)	RSPL12P170J	36 Full Cells	600	30.12.2021	29.12.2023
				xiii	Multi- C-Si Modules	RSPL12CP120, (120Wp)	RSPL12CP120	36 Cut Cells	600	30.12.2021	29.12.2023
				xiv	Multi- C-Si Modules	RSPL12CP110, (110Wp)	RSPL12CP110	36 Cut Cells	600	30.12.2021	29.12.2023
				xv	Multi- C-Si Modules	RSPL12CP100, (100Wp)	RSPL12CP100	36 Cut Cells	600	30.12.2021	29.12.2023
				xvi	Multi- C-Si Modules	RSPL12CP75, (75Wp)	RSPL12CP74 RSPL12CP75	36 Cut Cells	600	30.12.2021	29.12.2023
				xvii	Multi- C-Si Modules	RSPL12CP60, (60Wp)	RSPL12CP60	36 Cut Cells	600	30.12.2021	29.12.2023
				xviii	Multi- C-Si Modules	RSPL12CP50, (50Wp)	RSPL12CP50	36 Cut Cells	600	30.12.2021	29.12.2023
				xix	Multi- C-Si Modules	RSPL12CP40, (40Wp)	RSPL12CP40	36 Cut Cells	600	30.12.2021	29.12.2023
				xx	Multi- C-Si Modules	RSPL12CP25, (24Wp-25Wp)	RSPL12CP24 RSPL12CP25	36 Cut Cells	600	30.12.2021	29.12.2023
				xxi	Multi- C-Si Modules	RSPL12CP125J, (125Wp)	RSPL12CP120J RSPL12CP125J RSPL12CP130J	36 Cut Cells	600	30.12.2021	29.12.2023
				xxii	Multi- C-Si Modules	RSPL12CP110J, (110Wp)	RSPL12CP110J	36 Cut Cells	600	30.12.2021	29.12.2023
				xxiii	Multi- C-Si Modules	RSPL12CP100J, (100Wp)	RSPL12CP100J	36 Cut Cells	600	30.12.2021	29.12.2023
				xxiv	Multi- C-Si Modules	RSPL12CP75J, (75Wp)	RSPL12CP74J RSPL12CP75J	36 Cut Cells	600	30.12.2021	29.12.2023
				xxv	Multi- C-Si Modules	RSPL12CP60J, (60Wp)	RSPL12CP60J	36 Cut Cells	600	30.12.2021	29.12.2023
				xxvi	Multi- C-Si Modules	RSPL12CP50J, (50Wp)	RSPL12CP50J	36 Cut Cells	600	30.12.2021	29.12.2023
				xxvii	Multi- C-Si Modules	RSPL12CP40J, (40Wp)	RSPL12CP40J	36 Cut Cells	600	30.12.2021	29.12.2023
				xxviii	Multi- C-Si Modules	RSPL12CP25J, (25Wp)	RSPL12CP24J RSPL12CP25J	36 Cut Cells	600	30.12.2021	29.12.2023
				xxix	Multi- C-Si Modules	RSPL24CP290J, (290Wp)	RSPL24CP280J RSPL24CP290J RSPL24CP300J	72 Cut Cells	1000	30.12.2021	29.12.2023
				xxx	Multi- C-Si Modules	RSPL24CP260J, (260Wp)	RSPL24CP250J RSPL24CP260J RSPL24CP270J	72 Cut Cells	1000	30.12.2021	29.12.2023
				xxxi	Multi- C-Si Modules	RSPL24CP200J, (200Wp)	RSPL24CP190J RSPL24CP200J RSPL24CP210J	72 Cut Cells	1000	30.12.2021	29.12.2023
				xxxii	Multi- C-Si Modules	RSPL24CP290, (290Wp)	RSPL24CP280 RSPL24CP290 RSPL24CP300	72 Cut Cells	1000	30.12.2021	29.12.2023
				xxxiii	Multi- C-Si Modules	RSPL24CP260, (260Wp)	RSPL24CP250 RSPL24CP260 RSPL24CP270	72 Cut Cells	1000	30.12.2021	29.12.2023
				xxxiv	Multi- C-Si Modules	RSPL24CP200, (200Wp)	RSPL24CP190 RSPL24CP200 RSPL24CP210	72 Cut Cells	1000	30.12.2021	29.12.2023
				xxxv	Multi- C-Si Modules	RSPL72CP200, (200Wp)	RSPL72CP190 RSPL72CP200	72 Cut Cells	1000	30.12.2021	29.12.2023
				xxxvi	Multi- C-Si Modules	RSPL72CP200J, (200Wp)	RSPL72CP190J RSPL72CP200J	72 Cut Cells	1000	30.12.2021	29.12.2023

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				xxxvii	Multi- C-Si Modules	RSPL72CP40, (40Wp)	RSPL72CP40	72 Cut Cells	600	30.12.2021	29.12.2023
				xxxviii	Multi- C-Si Modules	RSPL72CP40J, (40Wp)	RSPL72CP40J	72 Cut Cells	600	30.12.2021	29.12.2023
				xxxix	Multi- C-Si Modules	RSPL72CP50, (50Wp)	RSPL72CP50	72 Cut Cells	600	30.12.2021	29.12.2023
				xl	Multi- C-Si Modules	RSPL72CP50J, (50Wp)	RSPL72CP50J	72 Cut Cells	600	30.12.2021	29.12.2023
				xli	Multi- C-Si Modules	RSPL72CP60, (60Wp)	RSPL72CP60	72 Cut Cells	600	30.12.2021	29.12.2023
				xlvi	Multi- C-Si Modules	RSPL72CP60J, (60Wp)	RSPL72CP60J	72 Cut Cells	600	30.12.2021	29.12.2023
				xlvi	Mono C-Si PERC Modules.	RSPLM24P360, (360Wp)	RSPLM24P360	72 Full Cells	1000	30.12.2021	29.12.2023
				xliv	Mono C-Si PERC Modules.	RSPLM24P380, (380Wp)	RSPLM24P370	72 Full Cells	1000	30.12.2021	29.12.2023
							RSPLM24P380				
							RSPLM24P390				
				xlv	Mono C-Si PERC Modules.	RSPLM18P290, (290Wp)	RSPLM18P280	60 Full Cells	1000	30.12.2021	29.12.2023
							RSPLM18P290				
							RSPLM18P300				
				xlvi	Mono C-Si PERC Modules.	RSPLM12P160, (160Wp)	RSPLM12P160	36 Full Cells	600	30.12.2021	29.12.2023
				xlvi	Mono C-Si PERC Modules.	RSPLM12P170, (170Wp)	RSPLM12P170	36 Full Cells	600	30.12.2021	29.12.2023
				xlvi	Mono C-Si PERC Modules.	RSPLM12P180, (180Wp)	RSPLM12P180	36 Full Cells	600	30.12.2021	29.12.2023
				xlix	Mono C-Si PERC Modules.	RSPLM12CP100, (100Wp)	RSPLM12CP100	36 Cut Cells	600	30.12.2021	29.12.2023
				i	Mono C-Si PERC Modules.	RSPLM12CP75, (75Wp)	RSPLM12CP75	36 Cut Cells	600	30.12.2021	29.12.2023
				li	Mono C-Si PERC Modules.	RSPLM12CP60, (60Wp)	RSPLM12CP60	36 Cut Cells	600	30.12.2021	29.12.2023
				lii	Mono C-Si PERC Modules.	RSPLM12CP50, (50Wp)	RSPLM12CP50	36 Cut Cells	600	30.12.2021	29.12.2023
				liii	Mono C-Si PERC Modules.	RSPLM12CP40, (40Wp)	RSPLM12CP40	36 Cut Cells	600	30.12.2021	29.12.2023
				liv	Mono C-Si PERC Modules.	RSPLM24CP360, (360Wp)	RSPLM24CP360	144 Half-Cut Cells	1000	30.12.2021	29.12.2023
				lv	Mono C-Si PERC Modules.	RSPLM24CP380, (380Wp)	RSPLM24CP370	144 Half-Cut Cells	1000	30.12.2021	29.12.2023
							RSPLM24CP380				
							RSPLM24CP390				
				lvi	Mono C-Si PERC Modules.	RSPLM48CP360, (360Wp)	RSPLM48CP360	144 Half-Cut Cells	1000	30.12.2021	29.12.2023
				lvii	Mono C-Si PERC Modules.	RSPLM48CP380, (380Wp)	RSPLM48CP370	144 Half-Cut Cells	1000	30.12.2021	29.12.2023
							RSPLM48CP380				
							RSPLM48CP390				
42	M/s. ECE (India) Energies Pvt. Ltd.	F-27, Express Highway, MIDC, Amravati-444607, Maharashtra, India.	45	i	Multi C-Si Modules.	ECE036P160, (160Wp)	ECE036P155	36 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE036P160				
				ii	Multi C-Si Modules.	ECE036P170, (170Wp)	ECE036P165	36 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE036P170				
				iii	Multi C-Si Modules.	ECE060P270, (270Wp)	ECE060P260	60 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE060P265				
							ECE060P270				
							ECE060P275				
							ECE060P280				
				iv	Multi C-Si Modules.	ECE066P300,	ECE066P285	66 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE066P290				
							ECE066P295				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
					Multi C-Si Modules.	(300Wp)	ECE066P300	66 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE066P305				
							ECE066P310				
				v	Multi C-Si Modules.	ECE072P320, (320Wp)	ECE072P310	72 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE072P315				
							ECE072P320				
							ECE072P325				
							ECE072P330				
				vi	Multi C-Si Modules.	ECE-66P315, (315Wp)	ECE-66P300	66 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE-66P310				
							ECE-66P315				
							ECE-66P320				
							ECE-66P325				
				vii	Multi C-Si Modules.	ECE-72P335, (335Wp)	ECE-72P320	72 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE-72P325				
							ECE-72P330				
							ECE-72P335				
							ECE-72P340				
							ECE-72P345				
							ECE-72P350				
				viii	Mono C-Si PERC Modules.	ECE036M175, (175Wp)	ECE036M170	36 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE036M175				
							ECE036M180				
				ix	Mono C-Si PERC Modules.	ECE036M185, (185Wp)	ECE036M185	36 (Full Cells)	1500	04.03.2022	03.03.2024
				x	Mono C-Si PERC Modules.	ECE060M285, (285Wp)	ECE060M280	60 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE060M285				
							ECE060M290				
							ECE060M295				
				xi	Mono C-Si PERC Modules.	ECE060M305, (305Wp)	ECE060M300	60 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE060M305				
							ECE060M310				
				xii	Mono C-Si PERC Modules.	ECE066M325, (325Wp)	ECE066M310	66 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE066M315				
							ECE066M320				
							ECE066M325				
							ECE066M330				
							ECE066M335				
				xiii	Mono C-Si PERC Modules.	ECE072M350, (350Wp)	ECE066M340	72 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE072M335				
							ECE072M340				
							ECE072M345				
							ECE072M350				
							ECE072M355				
				xiv	Mono C-Si PERC Modules.	ECE072M370, (370Wp)	ECE072M360	72 (Full Cells)	1500	04.03.2022	03.03.2024
							ECE072M365				
43	M/s. Rayzon Green Energies.	Block No-105, B/H Aron Pipes, B/H hariya Talav, Kim mandvi Road,	200	i	Multi C-Si Modules.	RGE310W72, (310Wp)	RGE300W72	72 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE 305W72				
							RGE 310W72				
							RGE 315W72				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
		Karanj, Surat-394110, Gujrat, India.		ii	Multi C-Si Modules.	RGE 335W/72, (335Wp)	RGE 320W72	72 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE 325W72				
							RGE 330W72				
							RGE 335W/72				
							RGE 340W/72				
							RGE 345W72				
				iii	Multi C-Si Modules.	RGE305W66F, (305Wp)	RGE290W66F	66 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE295W66F				
							RGE300W66F				
							RGE305W66F				
							RGE310W66F				
							RGE315W66F				
				iv	Multi C-Si Modules.	RGE 255W60F, (255Wp)	RGE320W66F	60 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE 250W60F				
							RGE 255W60F				
				v	Multi C-Si Modules.	RGE 270W60F, (270Wp)	RGE 260W60F	60 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE 265W60F				
							RGE 270W60F				
							RGE 275W60F				
				vi	Multi C-Si Modules.	RGE 230W54F, (230Wp)	RGE 280W60F	54 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE 225W54F				
							RGE 230W54F				
				vii	Multi C-Si Modules.	RGE 245W54F, (245Wp)	RGE 235W54F	54 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE 240W54F				
							RGE 245W54F				
							RGE 250W54F				
				viii	Multi C-Si Modules.	RGE 205W48F, (205Wp)	RGE 200W48F	48 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE 205W48F				
							RGE 210W48F				
				ix	Multi C-Si Modules.	RGE 220W48F, (220Wp)	RGE 215W48F	48 (Full Cells)	1000	04.03.2022	03.03.2024
							RGE 220W48F				
							RGE 225W48F				
x	Multi C-Si Modules.	RGE 40W36C, (40Wp)	RGE 40W36C	36 (Cut Cells)	600	04.03.2022	03.03.2024				
xi	Multi C-Si Modules.	RGE 50W36C, (50Wp)	RGE 50W36C	36 (Cut Cells)	600	04.03.2022	03.03.2024				
xii	Multi C-Si Modules.	RGE 55W36C, (55Wp)	RGE 55W36C	36 (Cut Cells)	600	04.03.2022	03.03.2024				
xiii	Multi C-Si Modules.	RGE 60W36C, (60Wp)	RGE 60W36C	36 (Cut Cells)	600	04.03.2022	03.03.2024				
xiv	Multi C-Si Modules.	RGE 75W36C, (75Wp)	RGE 75W36C	36 (Cut Cells)	600	04.03.2022	03.03.2024				
xv	Multi C-Si Modules.	RGE 80W36C, (80Wp)	RGE 80W36C	36 (Cut Cells)	600	04.03.2022	03.03.2024				
xvi	Multi C-Si Modules.	RGE 100W36C, (100Wp)	RGE 100W36C	36 (Cut Cells)	600	04.03.2022	03.03.2024				
xvii	Multi C-Si Modules.	RGE 110W36, (110Wp)	RGE 110W36	36 (Cut Cells)	600	04.03.2022	03.03.2024				
xviii	Multi C-Si Modules.	RGE125W36C, (125Wp)	RGE 120W36C	36 (Cut Cells)	600	04.03.2022	03.03.2024				
			RGE125W36C								
xix	Multi C-Si Modules.	RGE 155W36F, (155Wp)	RGE 150W36F	36 (Full Cells)	1000	04.03.2022	03.03.2024				
			RGE 155W36F								
xx	Multi C-Si Modules.	RGE 165W36F, (165Wp)	RGE 160W36F	36 (Full Cells)	1000	04.03.2022	03.03.2024				
			RGE 165W36F								
44	M/s. Lubi Electronics.	Survey No -75, Opp. Essar Petrol Pump, Prantiya, Gandhinagar, Gujarat- 382355, India.	125	i	Multi C-Si Modules.	LE24P315, (315Wp)	LE24P300	72 (Full Cells)	1500	04.03.2022	03.03.2024
							LE24P310				
							LE24P315				
							LE24P320				
							LE24P325				
							LE24P330				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				ii	Multi C-Si Modules.	LE24P345, (345Wp)	LE24P335	72 (Full Cells)	1500	04.03.2022	03.03.2024
							LE24P340				
							LE24P345				
							LE24P350				
				iii	Multi C-Si Modules.	LE18P260, (260Wp)	LE18P250	60 (Full Cells)	1500	04.03.2022	03.03.2024
							LE18P255				
							LE18P260				
							LE18P265				
				iv	Multi C-Si Modules.	LE18P285, (285Wp)	LE18P270	60 (Full Cells)	1500	04.03.2022	03.03.2024
							LE18P275				
							LE18P280				
							LE18P285				
				v	Multi C-Si Modules.	LE12P155, (155Wp)	LE18P290	36 (Full Cells)	1000	04.03.2022	03.03.2024
							LE12P150				
							LE12P155				
							LE12P160				
45	M/s. Kosol Energie Pvt. Ltd.	Survey No: 415/B, Opp. Super Gas, Village: Bhayla, Bavla-Bagodra Highway, Ta: Bavla, Dist: Ahmedabad-382220, Gujarat, India.	171	i	Multi C-Si Modules.	KE50P, (50Wp)	KE50P	36 (Cut Cells)	600	04.03.2022	03.03.2024
				ii	Multi C-Si Modules.	KE170P, (170Wp)	KE165P	36 (Full Cells)	600	04.03.2022	03.03.2024
							KE170P				
							KE175P				
				iii	Multi C-Si Modules.	KE215P, (215Wp)	KE205P	48 (Full Cells)	1500	04.03.2022	03.03.2024
							KE210P				
							KE215P				
							KE220P				
				iv	Multi C-Si Modules.	KE245P, (245Wp)	KE225P	54 (Full Cells)	1500	04.03.2022	03.03.2024
							KE235P				
							KE240P				
							KE245P				
				v	Multi C-Si Modules.	KE290P, (290Wp)	KE250P	60 (Full Cells)	1500	04.03.2022	03.03.2024
							KE255P				
							KE280P				
							KE285P				
				vi	Multi C-Si Modules.	KE325P, (325Wp)	KE290P	72 (Full Cells)	1500	04.03.2022	03.03.2024
							KE295P				
							KE300P				
							KE315P				
				vii	Multi C-Si Modules.	KE325PX, (325Wp)	KE320P	144 (Half-Cut Cells)	1500	04.03.2022	03.03.2024
							KE325P				
							KE330P				
							KE315PX				
				viii	Mono C-Si PERC Modules.	KE95M, (95Wp)	KE320PX	36 (Cut Cells)	600	04.03.2022	03.03.2024
							KE325PX				
				ix	Mono C-Si PERC Modules.	KE180, (180Wp)	KE330PX	36(Full Cells)	600	04.03.2022	03.03.2024
							KE95M				
				x	Mono C-Si PERC Modules.	KE245M, (245Wp)	KE180	48 (Full Cells)	1500	04.03.2022	03.03.2024
							KE235M				
							KE240M				
							KE245M				
							KE250M				
							KE255M				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				xi	Mono C-Si PERC Modules.	KE275M, (275Wp)	KE265M	54 (Full Cells)	1500	04.03.2022	03.03.2024
							KE270M				
							KE275M				
							KE280M				
							KE285M				
				xii	Mono C-Si PERC Modules.	KE320M , (320Wp)	KE305M	60 (Full Cells)	1500	04.03.2022	03.03.2024
							KE310M				
							KE315M				
							KE320M				
							KE325M				
							KE330M				
				xiii	Mono C-Si PERC Modules.	KE365M, (365Wp)	KE335M	72 (Full Cells)	1500	04.03.2022	03.03.2024
							KE350M				
							KE355M				
							KE360M				
							KE365M				
							KE370M				
				xiv	Mono C-Si PERC Modules.	KE370MX, (370Wp)	KE375M	144 (Half-Cut Cells)	1500	04.03.2022	03.03.2024
							KE380M				
							KE360MX				
							KE365MX				
							KE370MX				
46	M/s. Citizen Solar Pvt. Ltd.	New Survey No-966, Village: Indrad, Chhatral Kadi Road, Ta: Kadi, Dist.: Mehsana, Gujarat-382715, India.	50	i	Multi C-Si Modules.	CSPL18P155, (155Wp)	CSPL18P150	36(Full Cells)	1000	04.03.2022	03.03.2024
							CSPL18P155				
							CSPL18P160				
				ii	Multi C-Si Modules.	CSPL18P205, (205Wp)	CSPL18P200	48 (Full Cells)	1000	04.03.2022	03.03.2024
							CSPL18P205				
							CSPL18P210				
				iii	Multi C-Si Modules.	CSPL18P235, (235Wp)	CSPL18P230	54 (Full Cells)	1000	04.03.2022	03.03.2024
							CSPL18P235				
							CSPL18P240				
				iv	Multi C-Si Modules.	CSPL18P260, (260Wp)	CSPL18P250	60 (Full Cells)	1000	04.03.2022	03.03.2024
							CSPL18P255				
							CSPL18P260				
							CSPL18P265				
				v	Multi C-Si Modules.	CSPL18P285, (285Wp)	CSPL18P270	60 (Full Cells)	1000	04.03.2022	03.03.2024
							CSPL18P275				
							CSPL18P280				
							CSPL18P285				
				vi	Multi C-Si Modules.	CSPL24P315, (315Wp)	CSPL18P290	72 (Full Cells)	1000	04.03.2022	03.03.2024
							CSPL18P295				
							CSPL24P300				
							CSPL24P305				
							CSPL24P310				
							CSPL24P315				
							CSPL24P320				
				vii	Multi C-Si Modules.	CSPL24P340, (340Wp)	CSPL24P325	72 (Full Cells)	1000	04.03.2022	03.03.2024
							CSPL24P330				
							CSPL24P335				
							CSPL24P340				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
						(340Wp)	CSPL24P345				
47	M/s. The Wolt Techniques	16, Satyam Estate-1, Near. Royal Galaxy Complex, Kubadthal Road, TA: Daskroi, Dist: Ahmedabad-382430, Gujarat, India	20	i	Multi C-Si Modules	WT 36P40, (40Wp)	WT 36P40	36 (Cut Cells)	600	05.04.2022	04.04.2024
				ii	Multi C-Si Modules	WT 36P75, (75Wp)	WT 36P75	36 (Cut Cells)	600	05.04.2022	04.04.2024
				iii	Multi C-Si Modules	WT 36P100, (100Wp)	WT 36P100	36 (Cut Cells)	600	05.04.2022	04.04.2024
				iv	Multi C-Si Modules	WT 36P125, (125Wp)	WT 36P125	36 (Cut Cells)	600	05.04.2022	04.04.2024
				v	Multi C-Si Modules	WT 36P160, (160Wp)	WT 36P160	36 (Cut Cells)	600	05.04.2022	04.04.2024
				vi	Multi C-Si Modules	WT 60P265, (265Wp)	WT 60P265	60 (Full Cells)	1500	05.04.2022	04.04.2024
				vii	Multi C-Si Modules	WT 72P330, (330Wp)	WT 72P320 WT 72P330	72 (Full Cells)	1500	05.04.2022	04.04.2024
48	M/s. Redren Energy Pvt. Ltd	Survey No. 154/1, 154/2, Opposite Rangpar, Bus Stand, National Highway No. 27, Jalida, Wankaner, Morbi-363621, Gujarat, India	71	i	Multi- C-Si Modules	RSMART1240, (40Wp)	RSMART1240	36 (Cut Cells)	600	05.04.2022	04.04.2024
				ii	Multi- C-Si Modules	RSMART1250, (50Wp)	RSMART1250	36 (Cut Cells)	600	05.04.2022	04.04.2024
				iii	Multi- C-Si Modules	RSMART1275, (75Wp)	RSMART1275	36 (Cut Cells)	600	05.04.2022	04.04.2024
				iv	Multi- C-Si Modules	RSMART12100, (100Wp)	RSMART1295	36 (Cut Cells)	600	05.04.2022	04.04.2024
							RSMART12100				
							RSMART12105				
				v	Multi- C-Si Modules	RSMART12145, (145Wp)	RSMART12140	36 (Full Cells)	1000	05.04.2022	04.04.2024
							RSMART12145				
							RSMART12150				
				vi	Multi- C-Si Modules	RSMART16210, (210Wp)	RSMART16200	48 (Full Cells)	1500	05.04.2022	04.04.2024
							RSMART16210				
							RSMART16215				
				vii	Multi- C-Si Modules	RSMART20250, (250Wp)	RSMART20240	60 (Full Cells)	1500	05.04.2022	04.04.2024
							RSMART20245				
							RSMART20250				
							RSMART20255				
				viii	Multi- C-Si Modules	RSMART24300, (300Wp)	RSMART20260	72 (Full Cells)	1500	05.04.2022	04.04.2024
							RSMART24285				
							RSMART24290				
							RSMART24295				
							RSMART24300				
							RSMART24305				
							RSMART24310				
				ix	Multi- C-Si Modules	RSMART24335, (335Wp)	RSMART24315	72 (Full Cells)	1500	05.04.2022	04.04.2024
							RSMART24320				
							RSMART24325				
							RSMART24330				
							RSMART24335				
							RSMART24340				
							RSMART24345				
				x	Mono-C-Si PERC Modules	RPLUS18290, (290Wp)	RSMART24350	54 (Full Cells)	1500	05.04.2022	04.04.2024
							RPLUS18285				
							RPLUS18290				
							RPLUS18295				
				xi	Mono-C-Si PERC Modules	RPLUS20315, (315Wp)	RPLUS18300	60 (Full Cells)	1500	05.04.2022	04.04.2024
							RPLUS20300				
							RPLUS20305				
							RPLUS20310				
							RPLUS20315				
							RPLUS20320				
							RPLUS20325				
							RPLUS20330			05.04.2022	04.04.2024
							RPLUS24350				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				xii	Mono-C-Si PERC Modules	RPLUS24365, (365Wp)	RPLUS24355 RPLUS24360 RPLUS24365 RPLUS24370 RPLUS24375 RPLUS24380	72 (Full Cells)	1500		
49	M/s. Nyalkaran Energy LLP	SR No: 69P1, Village Chanchavadarda, Chanchavadarda Road, Morbi-363660, Gujarat, India	50	i	Multi C-Si Modules	NE 160P-36, (160Wp)	NE 155P-36 NE 160P-36	36 (Full Cells)	1500	05.04.2022	04.04.2024
				ii	Multi C-Si Modules	NE 170P-36, (170Wp)	NE 165P-36 NE 170P-36	36 (Full Cells)	1500	05.04.2022	04.04.2024
				iii	Multi C-Si Modules	NE 220P-48, (220Wp)	NE 210P-48 NE 215P-48 NE 220P-48 NE 225P-48 NE 230P-48	48 (Full Cells)	1500	05.04.2022	04.04.2024
				iv	Multi C-Si Modules	NE 240P-54, (240Wp)	NE 230P-54 NE 235P-54 NE 240P-54 NE 245P-54 NE 250P-54	54 (Full Cells)	1500	05.04.2022	04.04.2024
				v	Multi C-Si Modules	NE 260P-54, (260Wp)	NE 255P-54 NE 260P-54	54 (Full Cells)	1500	05.04.2022	04.04.2024
				vi	Multi C-Si Modules	NE 270P-60, (270Wp)	NE 260P-60 NE 265P-60 NE 270P-60 NE 275P-60 NE 280P-60	60 (Full Cells)	1500	05.04.2022	04.04.2024
				vii	Multi C-Si Modules	NE 290P-60, (290Wp)	NE 285P-60 NE 290P-60	60 (Full Cells)	1500	05.04.2022	04.04.2024
				viii	Multi C-Si Modules	NE 300P-66, (300Wp)	NE 285P-66 NE 290P-66 NE 295P-66 NE 300P-66 NE 305P-66 NE 310P-66 NE 315P-66	66 (Full Cells)	1500	05.04.2022	04.04.2024
				ix	Multi C-Si Modules	NE 320P-72, (320Wp)	NE 310P-72 NE 315P-72 NE 320P-72 NE 325P-72 NE 330P-72	72 (Full Cells)	1500	05.04.2022	04.04.2024
				x	Multi C-Si Modules	NE 340P-72, (340Wp)	NE 335P-72 NE 340P-72 NE 345P-72	72 (Full Cells)	1500	05.04.2022	04.04.2024
				xi	Mono C-Si PERC Modules	NE255M-48, (255Wp)	NE245M-48 NE250M-48 NE255M-48 NE260M-48 NE265M-48	48 (Full Cells)	1500	05.04.2022	04.04.2024
				xii	Mono C-Si PERC Modules	NE275M-54, (275Wp)	NE265M-54 NE270M-54 NE275M-54	54 (Full Cells)	1500	05.04.2022	04.04.2024

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
					Modules	(275Wp)	NE280M-54	54 (Full Cells)	1500	05.04.2022	04.04.2024
							NE285M-54				
				xiii	Mono C-Si PERC Modules	NE295M-54, (295Wp)	NE290M-54	60 (Full Cells)	1500	05.04.2022	04.04.2024
							NE295M-54				
				xiv	Mono C-Si PERC Modules	NE315M-60, (315Wp)	NE300M-60	60 (Full Cells)	1500	05.04.2022	04.04.2024
							NE305M-60				
							NE310M-60				
							NE315M-60				
							NE320M-60				
							NE325M-60				
							NE330M-60				
				xv	Mono C-Si PERC Modules	NE335M-66, (335Wp)	NE325M-66	66 (Full Cells)	1500	05.04.2022	04.04.2024
							NE330M-66				
							NE335M-66				
							NE340M-66				
							NE345M-66				
				xvii	Mono C-Si PERC Modules	NE370M-72, (370Wp)	NE350M-66	72 (Full Cells)	1500	05.04.2022	04.04.2024
							NE355M-72				
							NE360M-72				
							NE365M-72				
							NE370M-72				
							NE375M-72				
				xvii	Mono C-Si PERC Modules	NE395M-72, (395Wp)	NE380M-72	72 (Full Cells)	1500	05.04.2022	04.04.2024
							NE385M-72				
50	M/s. JJ PV Solar Pvt. Ltd	Survey No-236, Plot No. 2, Near Vikas Stove, B/H, Hargange Waybridge, N/H 8-B, Village Veraval (Shapar), Dist: Rajkot-360024, Gujarat, India	17	i	Multi C-Si Modules	JP36FP160, (160Wp)	NE390M-72	72 (Full Cells)	1500	05.04.2022	04.04.2024
							NE395M-72				
							JP36FP155				
				ii	Multi C-Si Modules	JP48FP210, (210Wp)	JP36FP160	48 (Full Cells)	1500	05.04.2022	04.04.2024
							JP36FP165				
							JP48FP205				
							JP48FP210				
							JP48FP215				
				iii	Multi C-Si Modules	JP54FP240, (240Wp)	JP48FP220	54 (Full Cells)	1500	05.04.2022	04.04.2024
							JP54FP230				
							JP54FP235				
							JP54FP240				
							JP54FP245				
				iv	Multi C-Si Modules	JP60FP270, (270Wp)	JP54FP250	60 (Full Cells)	1500	05.04.2022	04.04.2024
							JP60FP260				
							JP60FP265				
							JP60FP270				
							JP60FP275				
				v	Multi C-Si Modules	JP66FP290, (290Wp)	JP66FP280	66 (Full Cells)	1500	05.04.2022	04.04.2024
							JP66FP285				
							JP66FP290				
							JP66FP295				
							JP66FP300				
				vi	Multi C-Si Modules	JP66FP305, (305Wp)	JP66FP305	66 (Full Cells)	1500	05.04.2022	04.04.2024
				vii	Multi C-Si Modules	JP72FP320, (320Wp)	JP72FP305	72 (Full Cells)	1500	05.04.2022	04.04.2024
							JP72FP310				
							JP72FP315				
							JP72FP320				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							JP72FP325				
							JP72FP330				
							JP72FP335				
51	M/s. Premier Energies Photovoltaic Pvt. Ltd	Plot No-8/B/1 & 8/B/2, SY No. 62 P 63 P and 88 P, E-City, Village Raviryala, Maheshwaram Mandal, Ranga Reddy, Telangana-501359, India	711	i	Multi C-Si Modules	PE-325, (325Wp)	PE-315	72 (Full Cells)	1500	05.04.2022	04.04.2024
							PE-320				
							PE-325				
							PE-330				
							PE-335				
							PE-340				
				ii	Multi C-Si Modules	PE-330HC, (330Wp)	PE-320HC	144 (Half-Cut Cells)	1500	05.04.2022	04.04.2024
							PE-325HC				
							PE-330HC				
							PE-335HC				
							PE-340HC				
							PE-345HC				
				iii	Mono PERC C-Si Modules	PE-435HM, (435Wp)	PE-415HM	144 (Half-Cut Cells)	1500	05.04.2022	04.04.2024
							PE-420HM				
							PE-425HM				
							PE-430HM				
							PE-435HM				
							PE-440HM				
							PE-445HM				
							PE-450HM				
							PE-455HM				
				iv	Mono PERC C-Si Modules	PE-490HM, (490Wp)	PE-470HM	132 (Half-Cut Cells)	1500	05.04.2022	04.04.2024
							PE-475HM				
							PE-480HM				
							PE-485HM				
							PE-490HM				
							PE-495HM				
				v	Mono PERC C-Si Modules	PE-530HM, Wp) (530	PE-515HM	144 (Half-Cut Cells)	1500	05.04.2022	04.04.2024
							PE-520HM				
							PE-525HM				
							PE-530HM				
							PE-535HM				
							PE-540HM				
							PE-545HM				
							PE-550HM				
				vi	Mono PERC Bifacial C-Si Modules	PE-530HGB, Wp) (530	PE-510HGB	144 (Half-Cut Cells)	1500	05.04.2022	04.04.2024
							PE-515HGB				
							PE-520HGB				
							PE-525HGB				
							PE-530HGB				
							PE-535HGB				
							PE-540HGB				
							PE-545HGB				
							PE-550HGB				
				vii	Mono PERC C-Si Modules	PE-565HM, Wp) (565	PE-555HM	156 (Half-Cut Cells)	1500	05.04.2022	04.04.2024
							PE-560HM				
							PE-565HM				
							PE-570HM				
							PE-575HM				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							PE-580HM				
							PE-585HM				
							PE-590HM				
52	M/s. Sri Savitr Solar Pvt. Ltd	Plot No. 34/1, Sy No. 374, C.I.E. Phase 2, Gandhi Nagar, Quthbulapur, Ranga Reddy, Hyderabad, Telangana -500037, India	68	i	Multi C-Si Modules	SSSPL-260, (260 Wp)	SSSPL-252	60 (Full Cells)	1500	05.04.2022	04.04.2024
							SSSPL-260				
							SSSPL-270				
				ii	Multi C-Si Modules	SSSPL-280, (280 Wp)	SSSPL-280				
				iii	Multi C-Si Modules	SSSPL-66-280, (280 Wp)	SSSPL-66-280	66 (Full Cells)	1500	05.04.2022	04.04.2024
				iv	Multi C-Si Modules	SSSPL-66-300, (300 Wp)	SSSPL-66-290	66 (Full Cells)	1500	05.04.2022	04.04.2024
							SSSPL-66-300				
							SSSPL-66-310				
				v	Multi C-Si Modules	SSSPL-315, (315 Wp)	SSSPL-302	72 (Full Cells)	1500	05.04.2022	04.04.2024
							SSSPL-310				
							SSSPL-315				
							SSSPL-320				
							SSSPL-325				
							SSSPL-330				
				vi	Multi C-Si Modules	SSSPL-335, (335 Wp)	SSSPL-335	72 (Full Cells)	1500	05.04.2022	04.04.2024
53	M/s. Novus Green Energy Systems Ltd	SY. No. 920/A, 921/A, Nandigama Revenue Village, Mekaguda, Kothur Post, Nandigama Mandal, Rangareddy-509228, Hyderabad, Telangana, India.	215	i	Multi C-Si Modules	NG-320, (320Wp)	NG-305	72 (Full Cells)	1500	05.04.2022	04.04.2024
							NG-310				
							NG-315				
							NG-320				
							NG-325				
							NG-330				
							NG-335				
				ii	Multi C-Si Modules	NG-D320, (320Wp)	NG-D305	72 (Full Cells)	1500	05.04.2022	04.04.2024
							NG-D310				
							NG-D315				
							NG-D320				
							NG-D325				
				iii	Multi C-Si Modules	NG-GG320, (320Wp)	NG-D330	72 (Full Cells)	1500	05.04.2022	04.04.2024
							NG-GG310				
							NG-GG315				
							NG-GG320				
							NG-GG325				
							NG-GG330				
							NG-GG335				
				iv	Mono C-Si PERC Modules	NG-M380, (380Wp)	NG-M365	72 (Full Cells)	1500	05.04.2022	04.04.2024
							NG-M370				
							NG-M375				
							NG-M380				
							NG-M385				
							NG-M390				
							NG-M395				
54	M/s. Sirius Solar Energy Systems Pvt. Ltd	Plot No. 30 & 46, Aleap Industrial Estate, Pragathi Nagar Gajularamaram,	50	i	Multi C-Si Modules.	SS-03C, (3Wp)	SS-03C	18 (Cut Cells)	600	05.04.2022	04.04.2024
				ii	Multi C-Si Modules.	SS-75C, (7Wp)	SS-75C	36 (Cut Cells)	800	05.04.2022	04.04.2024
				iii	Multi C-Si Modules.	SS-100C, (100Wp)	SS-95C	36 (Cut Cells)	800	05.04.2022	04.04.2024
							SS-100C				
				iv	Multi C-Si Modules.	SS-140C, (140Wp)	SS-140C	36 (Cut Cells)	1000	05.04.2022	04.04.2024

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
		Qutubullapur Mandal, Hyderabad-500090, Telangana, India		v	Multi C-Si Modules.	SS-170, (170Wp)	SS-170	36 (Full Cells)	1500	05.04.2022	04.04.2024
				vi	Multi C-Si Modules.	SS-210C, (210Wp)	SS-210C SS-215C	72(Cut Cells)	1500	05.04.2022	04.04.2024
				vii	Multi C-Si Modules.	SS-225, (225Wp)	SS-215 SS-225	48 (Full Cells)	1500	05.04.2022	04.04.2024
				viii	Multi C-Si Modules.	SS-245, (245Wp)	SS-235 SS-245	54 (Full Cells)	1500	05.04.2022	04.04.2024
				ix	Multi C-Si Modules.	SS-250C, (250Wp)	SS-250C	72(Cut Cells)	1500	05.04.2022	04.04.2024
				x	Multi C-Si Modules.	SS-260, (265Wp)	SS-250 SS-255 SS-260 SS-265	60 (Full Cells)	1500	05.04.2022	04.04.2024
							SS-270				
							SS-275 SS-280				
							SS-280C				
				xii	Multi C-Si Modules.	SS-280C, (280Wp)	SS-280C	72(Cut Cells)	1500	05.04.2022	04.04.2024
				xiii	Multi C-Si Modules.	SS-290, (290Wp)	SS-285 SS-290 SS-295 SS-300	66 (Full Cells)	1500	05.04.2022	04.04.2024
							SS-305 SS-310 SS-315 SS-320 SS-325 SS-330 SS-335				
							SS-315H SS-320H SS-325H SS-330H SS-335H				
							SS-315H SS-320H SS-325H SS-330H SS-335H				
				xiv	Multi C-Si Modules.	SS-320, (320Wp)	SS-305 SS-310 SS-315 SS-320 SS-325 SS-330 SS-335	72 (Full Cells)	1500	05.04.2022	04.04.2024
				xv	Multi C-Si Modules.	SS-325H, (325Wp)	SS-315H SS-320H SS-325H SS-330H SS-335H	144 (Half-Cut Cells)	1500	05.04.2022	04.04.2024
							SS-315H SS-320H SS-325H SS-330H SS-335H				
							SS-315H SS-320H SS-325H SS-330H SS-335H				
							SS-315H SS-320H SS-325H SS-330H SS-335H				
55	M/s. Tata Power Solar Systems Ltd	Plot No. 24-B, Industrial Shed, SY Y No 123, Jigani 1st Phase, Industrial Area, Jigani, Anekal Taluk, Hobli, Bengaluru, Rural Karnataka, India-560105	100	i	Multi C-Si Modules.	TP330LBZ(H), (330Wp)	TP315LBZ(H) TP320LBZ(H) TP325LBZ(H) TP330LBZ(H) TP335LBZ(H) TP340LBZ(H)	72 (Full Cells)	1500	05.04.2022	04.04.2024
							TP345LBZ(H)				
56	M/s. Integrated Batteries India Pvt. Ltd	D 127, Sector 63, NOIDA, Uttar Pradesh, India-201301	35	i	Multi- C-Si Modules.	IB361240, (40Wp)	IB361240	36 (Cut Cells)	1000	05.04.2022	04.04.2024
				ii	Multi- C-Si Modules.	IB361250, (50Wp)	IB361250	36 (Cut Cells)	1000	05.04.2022	04.04.2024
				iii	Multi- C-Si Modules.	IB361260, (60Wp)	IB361260	36 (Cut Cells)	1000	05.04.2022	04.04.2024
				iv	Multi- C-Si Modules.	IB361275, (75Wp)	IB361275	36 (Cut Cells)	1000	05.04.2022	04.04.2024
				v	Multi- C-Si Modules.	IB3612100, (100Wp)	IB3612100	36 (Cut Cells)	1000	05.04.2022	04.04.2024
				vi	Multi- C-Si Modules.	IB3612125, (125Wp)	IB3612120 IB3612125	36 (Cut Cells)	1000	05.04.2022	04.04.2024
							IB3612150				
				vii	Multi- C-Si Modules.	IB3612150, (150Wp)	IB3612150	36 (Cut Cells)	1000	05.04.2022	04.04.2024
						IB3612165	IB3612160			05.04.2022	04.04.2024

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				viii	Multi- C-Si Modules.	IB3612165, (165Wp)	IB3612165	36 (Full Cells)	1000		
				ix	Multi- C-Si Modules.	IB7224210, (210Wp)	IB3612170	72 (Cut Cells)	1000	05.04.2022	04.04.2024
							IB7224200				
							IB7224205				
							IB7224210				
							IB7224215				
							IB7224220				
				x	Multi- C-Si Modules.	IB7224260, (260Wp)	IB7224250	72 (Cut Cells)	1000	05.04.2022	04.04.2024
							IB7224255				
							IB7224260				
							IB7224265				
							IB7224270				
				xi	Multi- C-Si Modules.	IB6024270, (270Wp)	IB6024260	60 (Full Cells)	1000	05.04.2022	04.04.2024
							IB6024265				
							IB6024270				
							IB6024275				
				xii	Multi- C-Si Modules.	IB7224325, (325Wp)	IB6024280	72 (Full Cells)	1000	05.04.2022	04.04.2024
							IB7224310				
							IB7224315				
							IB7224320				
							IB7224325				
							IB7224330				
							IB7224335				
							IB7224340				
57	M/s. Bluebird Solar Pvt. Ltd	Plot No: 5, Ecotech-II, Udyog Vihar, Khasra No. 739, Greater Noida-201306, Uttar Pradesh, India	20	i	Multi C-Si Modules	BBS12C40, (40Wp)	BBS12C40	36 (Cut Cells)	600	05.04.2022	04.04.2024
				ii	Multi C-Si Modules	BBS12C50, (50Wp)	BBS12C50	36 (Cut Cells)	600	05.04.2022	04.04.2024
				iii	Multi C-Si Modules	BBS12C75, (75Wp)	BBS12C75	36 (Cut Cells)	600	05.04.2022	04.04.2024
				iv	Multi C-Si Modules	BBS12C105, (105Wp)	BBS12C100	36 (Cut Cells)	600	05.04.2022	04.04.2024
							BBS12C105				
							BBS12C110				
				v	Multi C-Si Modules	BBS12F155, (155Wp)	BBS12F150	36 (Full Cells)	600	05.04.2022	04.04.2024
							BBS12F155				
							BBS12F160				
				vi	Multi C-Si Modules	BBS12F170, (170Wp)	BBS12F165	36 (Full Cells)	600	05.04.2022	04.04.2024
							BBS12F170				
							BBS12F175				
				vii	Multi C-Si Modules	BBS24F210, (210Wp)	BBS24F200	48 (Full Cells)	1000	05.04.2022	04.04.2024
							BBS24F205				
							BBS24F210				
							BBS24F215				
							BBS24F220				
				viii	Multi C-Si Modules	BBS24F245, (245Wp)	BBS24F235	54 (Full Cells)	1000	05.04.2022	04.04.2024
							BBS24F240				
							BBS24F245				
							BBS24F250				
							BBS24F255				
				ix	Multi C-Si Modules	BBS24F275, (275Wp)	BBS24F265	60 (Full Cells)	1000	05.04.2022	04.04.2024
							BBS24F270				
							BBS24F275				
							BBS24F280				
							BBS24F285				
							BBS24F290			05.04.2022	04.04.2024

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
				x	Multi C-Si Modules	BBS24F300, (300Wp)	BBS24F295	66 (Full Cells)	1500		
							BBS24F300				
							BBS24F305				
							BBS24F310				
				xi	Multi C-Si Modules	BBS24F330, (330Wp)	BBS24F315	72 (Full Cells)	1500	05.04.2022	04.04.2024
							BBS24F320				
							BBS24F325				
							BBS24F330				
							BBS24F335				
							BBS24F340				
				xii	Mono C-Si PERC Modules	BBS12MF180, (180 Wp)	BBS12MF175	36 (Full Cells)	600	05.04.2022	04.04.2024
							BBS12MF180				
							BBS12MF185				
				xiii	Mono C-Si PERC Modules	BBS12MF190, (190Wp)	BBS12MF190	36 (Full Cells)	600	05.04.2022	04.04.2024
							BBS12MF195				
				xiv	Mono C-Si PERC Modules	BBS24MF375, (375Wp)	BBS24MF355	72 (Full Cells)	1500	05.04.2022	04.04.2024
							BBS24MF360				
							BBS24MF365				
							BBS24MF370				
							BBS24MF375				
							BBS24MF380				
							BBS24MF385				
58	M/s. Shanti Solar	EMC Oark, Info Valley-2, S-4-EI-20/A, Harekrushnapur, Jatani, Bhubaneshwar, Khordha, Odisha-752054, India	20	i	Multi- C-Si Modules	SS155P, (155Wp)	SS150P	36 Full Cell	1000	05.04.2022	04.04.2024
							SS155P				
							SS160P				
				ii	Multi- C-Si Modules	SS165P, (165Wp)	SS165P	36 Full Cell	1000	05.04.2022	04.04.2024
							SS200P				
				iii	Multi- C-Si Modules	SS210P, (210Wp)	SS205P	48 Full Cell	1500	05.04.2022	04.04.2024
							SS210P				
							SS215P				
							SS220P				
							SS225P				
				iv	Multi- C-Si Modules	SS235P, (235Wp)	SS230P	54 Full Cell	1500	05.04.2022	04.04.2024
							SS235P				
							SS240P				
							SS245P				
							SS250P				
				v	Multi- C-Si Modules	SS260P, (260Wp)	SS255P	60 Full Cell	1500	05.04.2022	04.04.2024
							SS260P				
							SS265P				
							SS270P				
				vi	Multi- C-Si Modules	SS275P, (275Wp)	SS275P	60 Full Cell	1500	05.04.2022	04.04.2024
							SS300P				
				vii	Multi- C-Si Modules	SS315P, (315Wp)	SS305P	72 Full Cell	1500	05.04.2022	04.04.2024
							SS310P				
							SS315P				
							SS320P				
							SS325P				
							SS330P				
							SS335P				
				viii	Multi- C-Si Modules	SS340P, (340Wp)	SS340P	72 Full Cell	1500	05.04.2022	04.04.2024
							SS345P				
							SS345P				

Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order (As on 05.04.2022)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	No. of Cells in Module	System Voltage (in Volt)	Validity	
										From	To
							SS350P				
				ix	Multi- C-Si Modules	SS250PC, (250Wp)	SS250PC	72 Cut Cell	1000	05.04.2022	04.04.2024
				x	Multi- C-Si Modules	SS105P, (105Wp)	SS100P	36 Cut Cell	600	05.04.2022	04.04.2024
							SS105P				
							SS110P				
				xi	Multi- C-Si Modules	SS120P, (120Wp)	SS115P	36 Cut Cell	600	05.04.2022	04.04.2024
							SS120P				
							SS125P				
				xii	Multi- C-Si Modules	SS135P, (135Wp)	SS130P	36 Cut Cell	600	05.04.2022	04.04.2024
							SS135P				
				xiii	Multi- C-Si Modules	SS25P, (25Wp)	SS25P	36 Cut Cell	600	05.04.2022	04.04.2024
				xiv	Multi- C-Si Modules	SS30P, (30Wp)	SS30P	36 Cut Cell	600	05.04.2022	04.04.2024
				xv	Multi- C-Si Modules	SS37P, (37Wp)	SS37P	36 Cut Cell	600	05.04.2022	04.04.2024
				xvi	Multi- C-Si Modules	SS40P, (40Wp)	SS40P	36 Cut Cell	600	05.04.2022	04.04.2024
				xvii	Multi- C-Si Modules	SS45P, (45Wp)	SS45P	36 Cut Cell	600	05.04.2022	04.04.2024
				xviii	Multi- C-Si Modules	SS50P, (50Wp)	SS50P	36 Cut Cell	600	05.04.2022	04.04.2024
				xix	Multi- C-Si Modules	SS55P, (55Wp)	SS55P	36 Cut Cell	600	05.04.2022	04.04.2024
				xx	Multi- C-Si Modules	SS60P, (60Wp)	SS60P	36 Cut Cell	600	05.04.2022	04.04.2024
				xxi	Multi- C-Si Modules	SS65P, (65Wp)	SS65P	36 Cut Cell	600	05.04.2022	04.04.2024
				xxii	Multi- C-Si Modules	SS70P, (70Wp)	SS70P	36 Cut Cell	600	05.04.2022	04.04.2024
				xxiii	Multi- C-Si Modules	SS75P, (75Wp)	SS75P	36 Cut Cell	600	05.04.2022	04.04.2024
				xxiv	Multi- C-Si Modules	SS80P, (80Wp)	SS80P	36 Cut Cell	600	05.04.2022	04.04.2024
				xxv	Multi- C-Si Modules	SS85P, (85Wp)	SS85P	36 Cut Cell	600	05.04.2022	04.04.2024
				xxvi	Multi- C-Si Modules	SS90P, (90Wp)	SS90P	36 Cut Cell	600	05.04.2022	04.04.2024
				xxvii	Multi- C-Si Modules	SS95P, (95Wp)	SS95P	36 Cut Cell	600	05.04.2022	04.04.2024



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution,
Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002

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Our Ref: Registration/CRS 2022-1425/R-72006149

Date:05-05-2022

Subject : Licence Document

Manufacturing Unit :	Goldi Sun Private Limited CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445 dharmesh.v@goldisolar.com 07211171324	
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Dear Sir,

1. With reference to your Application, we are pleased to inform you that it has been decided to grant you licence as per details given below :

Product Category:	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name:	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS NO :	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (PART 1) : 2004 & IS/IEC 61730 (PART 2) : 2004
Brand (As Declared by Manufacturer) :	GOLDI
Model :	[Brand -> GOLDI, Models -> GS10-B108-GF-390, GS10-B108-GF-395, GS10-B108-GF-400, GS10-B108-GF-405, GS10-B108-TF-390, GS10-B108-TF-395, GS10-B108-TF-400, GS10-B108-TF-405, GS10-B108-WF-390, GS10-B108-WF-395, GS10-B108-WF-400, GS10-B108-WF-405, GS10-B120-GF-435, GS10-B120-GF-440, GS10-B120-GF-445, GS10-B120-GF-450, GS10-B120-TF-435, GS10-B120-TF-440, GS10-B120-TF-445, GS10-B120-TF-450, GS10-B120-WF-435, GS10-B120-WF-440, GS10-B120-WF-445, GS10-B120-WF-450, GS10-B132-GF-480, GS10-B132-GF-485, GS10-B132-GF-490, GS10-B132-GF-495, GS10-B132-TF-480, GS10-B132-TF-485, GS10-B132-TF-490, GS10-B132-TF-495, GS10-B132-WF-480, GS10-B132-WF-485, GS10-B132-WF-490, GS10-B132-WF-495, GS10-B144-GF-525, GS10-B144-GF-530, GS10-B144-GF-535, GS10-B144-GF-540, GS10-B144-TF-525, GS10-B144-TF-530, GS10-B144-TF-535, GS10-B144-TF-540, GS10-B144-WF-525, GS10-B144-WF-530, GS10-B144-WF-535, GS10-M144-WF-540]
Factory Address :	CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445

2. The licence is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.

3. The number assigned to this Licence is **R-72006149** which has been made operative from **05-05-2022** and is valid upto **04-05-2024** . The Licence Number should invariably be referred to in your future correspondence.

4. The rights and privileges under the licence shall not be exercised by any other factory / organization at any other location. This licence is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the licence Number shall be stopped and BIS shall be informed.

5. The licensee shall comply with the provisions of the Act, rules and regulations framed thereunder and as amended from time to time.

6. The licensee shall follow the guidelines for the use of Standard Mark and labeling requirements as per Annex-I.

7. The licensee shall not use the licence in any manner which contravenes the provisions of Act, rules and regulations framed thereunder and as amended from time to time.

8. Upon expiry of validity, stoppage or suspension or cancellation of licence, you shall discontinue forthwith the self declaration of conformity to the relevant Indian Standard(s) and withdraw all promotional and advertising matter which contains any reference thereto.

9. For renewal of licence, the licensee shall have to apply to BIS three months in advance before expiration of the licence and application form for renewal is available on BIS website.

10. The licence is not transferable. Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Saksham Vasudev)
Scientist-B
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

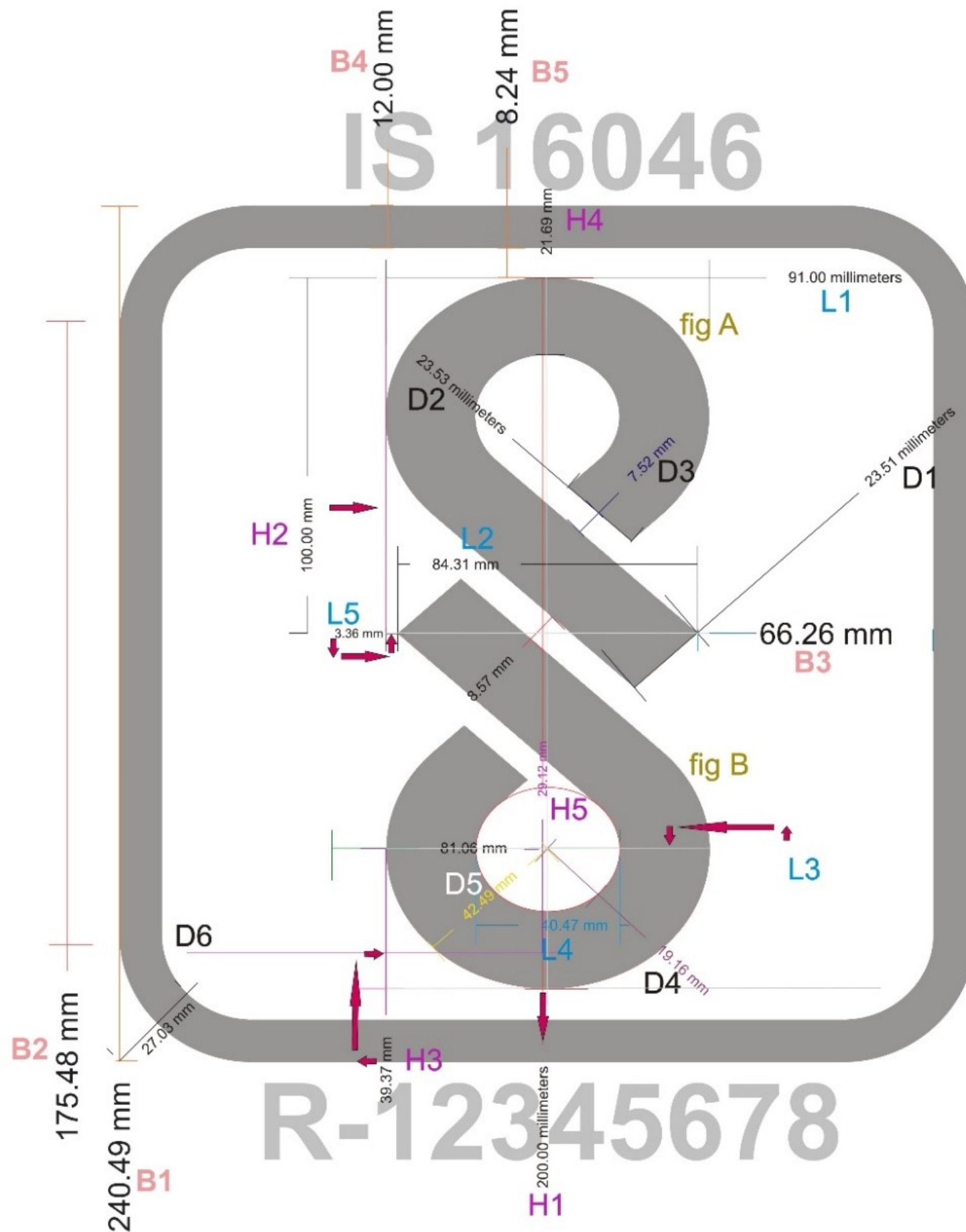
Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

Annex - 1

The guidelines for use of Standard Mark for Scheme-C are per 3(1) of BIS (Conformity Assessment) Regulations,2017 are given below:

- i) The monogram of the 'Standard Mark' consists of the pictorial representation, drawn in the exact style as indicated in the figure in the figure in Annexure I. Its photographic reductin and enlargement is permitted.
- ii)The 'Standard Mark' can be displayed in single colour or multi-colour as per the details given below. The colour scheme for the Standard Mark to be used in multi colour shall be use as indicated below.
- iii) The licensee shall diplay the 'Standard Mark' on the article and/or the packaging, as the case may be, in a manner so as to be easily visible. It shall be legible, indelible and non-remobable. Further, the durability of marking shall be as per the provisions of the relevant Indian Standard, wherever applicable. The diplay of IS number, Registration number and words shall not be less than Arial forn size 6.
- iv) Any device with a integrated display scenen may present the Standard Mark electronically (e-labelling) in lieu of a physical presentation on the product.

Measurement for the Self Declaration of Conformity(SDoC) mark



All dimensions in Millimeters

H1	200
H2	100
H3	39.3
H4	21.6
H5	17.7
L1	91.0
L2	84.3
L3	25.2
L4	40.4
L5	3.36
D1	23.5
D2	23.5
D3	7.52
D4	19.6
D5	42.4
D6	8.57
B1	240.49
B2	175.48
B3	66.26
B4	12.00
B5	8.24

For multicolour Standard Mark the colour scheme shall be - Red, Blue and Black.

- For printing purposes, colours shall be "Oriental Blue" and "Monopol Red" as per IS 1222:1992. 'Ink, duplicating for twin cylinder rotary machines (third revision)'
- For sign board purposes, colours shall be "French Blue" (No.166) Red" (No.537) as per IS 5:1994 "Colours for ready mixed paints and enamels (fourth revision)".

For single colour Standard Mark, there is no restriction in the choice of the colour.

The font style and size used is Arial-85 pt.

IS -----



R - XXXXXXXXX

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



Our Ref: REGISTRATION/CRS 2022-1425/R-72006149

Date:09-01-2023

Inclusion Id: 64205

Subject :Inclusion of Additional Model(s)

MANUFACTURING UNIT :	Goldi Sun Private Limited CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445 dharmesh.v@goldisolar.com 07211171324	
-------------------------	--	---

Dear Sir,

1. This has reference to your request for inclusion of models of "**CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)**" as per **IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004** in Licence No. **R-72006149** already granted to you which is valid upto 04-05-2024.

2. It is intimated that the additional Models as per details given below have been agreed to be included in your scope of Licence. **R-72006149 w.e.f. 09-01-2023:**

Product Category	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS No.	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004
Brand (As Declared by Manufacturer):	GOLDI
Inclusion of Additional Models (w.e.f. 09-01-2023)	GS10-M144-WF-525, GS10-M144-WF-530, GS10-M144-WF-535, GS10-M144-WF-545,GS10-M144-WF-550
Factory Address	CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445

3. Other terms and conditions of the licence shall remain same.

4. This letter is being issued with the approval of competent authority.

Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Saksham Vasudev)
Scientist-B
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution,
Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002

दूरभाष/Phone: +91-11-23230856/2323010131/23233375/23239402

ई-मेल/E-mail: registration@bis.gov.in

वेबसाइट/Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: Registration/CRS 2022-1425/R-72006149

Date:05-05-2022

Subject : Licence Document

Manufacturing Unit :	Goldi Sun Private Limited CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445 dharmesh.v@goldisolar.com 07211171324	
----------------------	--	--

Dear Sir,

1. With reference to your Application, we are pleased to inform you that it has been decided to grant you licence as per details given below :

Product Category:	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name:	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS NO :	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (PART 1) : 2004 & IS/IEC 61730 (PART 2) : 2004
Brand (As Declared by Manufacturer) :	GOLDI
Model :	[Brand -> GOLDI, Models -> GS10-B108-GF-390, GS10-B108-GF-395, GS10-B108-GF-400, GS10-B108-GF-405, GS10-B108-TF-390, GS10-B108-TF-395, GS10-B108-TF-400, GS10-B108-TF-405, GS10-B108-WF-390, GS10-B108-WF-395, GS10-B108-WF-400, GS10-B108-WF-405, GS10-B120-GF-435, GS10-B120-GF-440, GS10-B120-GF-445, GS10-B120-GF-450, GS10-B120-TF-435, GS10-B120-TF-440, GS10-B120-TF-445, GS10-B120-TF-450, GS10-B120-WF-435, GS10-B120-WF-440, GS10-B120-WF-445, GS10-B120-WF-450, GS10-B132-GF-480, GS10-B132-GF-485, GS10-B132-GF-490, GS10-B132-GF-495, GS10-B132-TF-480, GS10-B132-TF-485, GS10-B132-TF-490, GS10-B132-TF-495, GS10-B132-WF-480, GS10-B132-WF-485, GS10-B132-WF-490, GS10-B132-WF-495, GS10-B144-GF-525, GS10-B144-GF-530, GS10-B144-GF-535, GS10-B144-GF-540, GS10-B144-TF-525, GS10-B144-TF-530, GS10-B144-TF-535, GS10-B144-TF-540, GS10-B144-WF-525, GS10-B144-WF-530, GS10-B144-WF-535, GS10-M144-WF-540]
Factory Address :	CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445

2. The licence is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.

3. The number assigned to this Licence is **R-72006149** which has been made operative from **05-05-2022** and is valid upto **04-05-2024** . The Licence Number should invariably be referred to in your future correspondence.

4. The rights and privileges under the licence shall not be exercised by any other factory / organization at any other location. This licence is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the licence Number shall be stopped and BIS shall be informed.

5. The licensee shall comply with the provisions of the Act, rules and regulations framed thereunder and as amended from time to time.

6. The licensee shall follow the guidelines for the use of Standard Mark and labeling requirements as per Annex-I.

7. The licensee shall not use the licence in any manner which contravenes the provisions of Act, rules and regulations framed thereunder and as amended from time to time.

8. Upon expiry of validity, stoppage or suspension or cancellation of licence, you shall discontinue forthwith the self declaration of conformity to the relevant Indian Standard(s) and withdraw all promotional and advertising matter which contains any reference thereto.

9. For renewal of licence, the licensee shall have to apply to BIS three months in advance before expiration of the licence and application form for renewal is available on BIS website.

10. The licence is not transferable. Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Saksham Vasudev)
Scientist-B
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

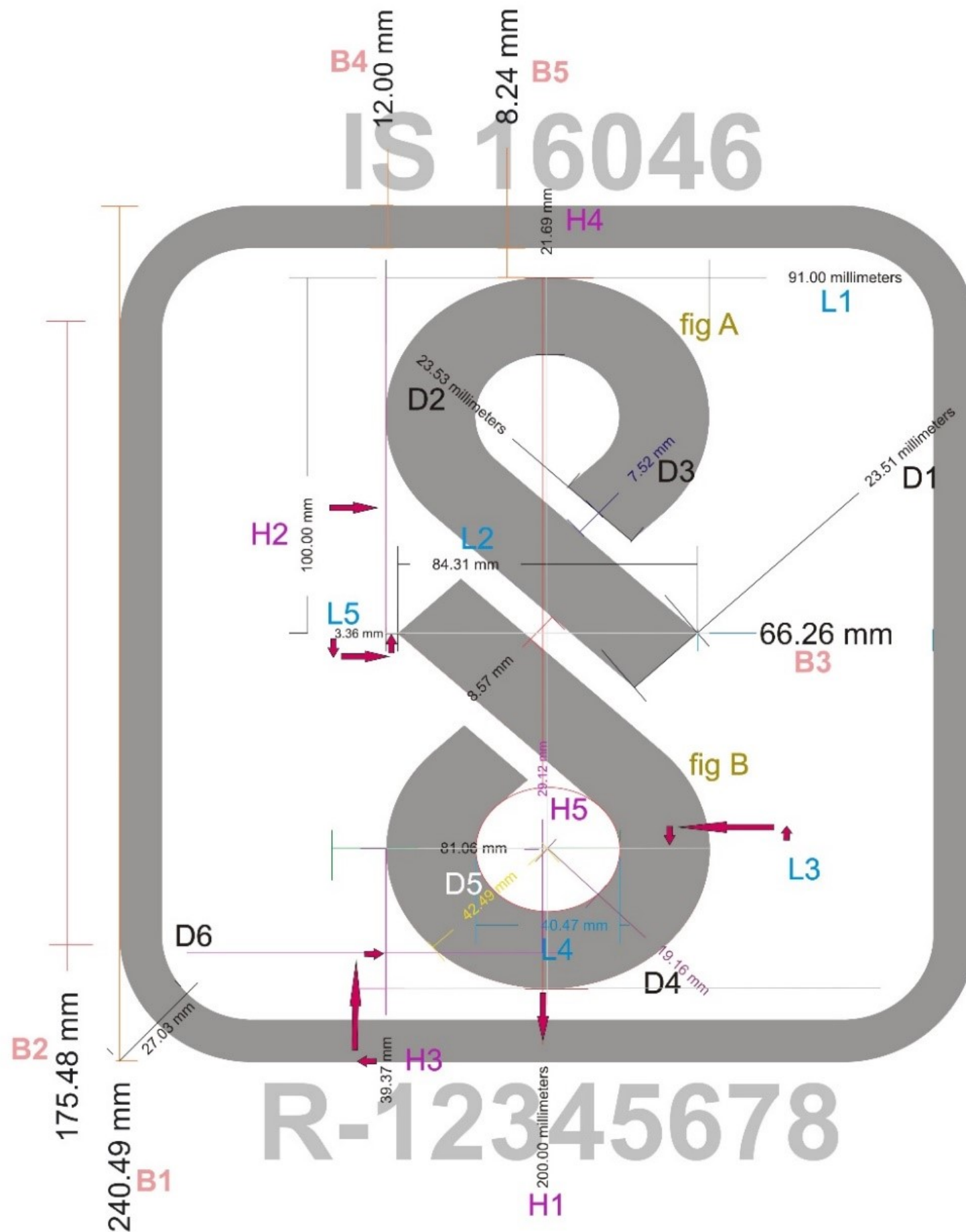
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To verify authentication of letter, kindly scan the QR code on this letter.

Annex - 1

The guidelines for use of Standard Mark for Scheme-C are per 3(1) of BIS (Conformity Assessment) Regulations,2017 are given below:

- i) The monogram of the 'Standard Mark' consists of the pictorial representation, drawn in the exact style as indicated in the figure in the figure in Annexure I. Its photographic reductin and enlargement is permitted.
- ii)The 'Standard Mark' can be displayed in single colour or multi-colour as per the details given below. The colour scheme for the Standard Mark to be used in multi colour shall be use as indicated below.
- iii) The licensee shall diplay the 'Standard Mark' on the article and/or the packaging, as the case may be, in a manner so as to be easily visible. It shall be legible, indelible and non-remobable. Further, the durability of marking shall be as per the provisions of the relevant Indian Standard, wherever applicable. The diplay of IS number, Registration number and words shall not be less than Arial forn size 6.
- iv) Any device with a integrated display scenen may present the Standard Mark electronically (e-labelling) in lieu of a physical presentation on the product.

Measurement for the Self Declaration of Conformity(SDoC) mark



All dimensions in Millimeters

H1	200
H2	100
H3	39.3
H4	21.6
H5	17.7
L1	91.0
L2	84.3
L3	25.2
L4	40.4
L5	3.36
D1	23.5
D2	23.5
D3	7.52
D4	19.6
D5	42.4
D6	8.57
B1	240.49
B2	175.48
B3	66.26
B4	12.00
B5	8.24

For multicolour Standard Mark the colour scheme shall be - Red, Blue and Black.

- For printing purposes, colours shall be "Oriental Blue" and "Monopol Red" as per IS 1222:1992. 'Ink, duplicating for twin cylinder rotary machines (third revision)'
- For sign board purposes, colours shall be "French Blue" (No.166) Red" (No.537) as per IS 5:1994 "Colours for ready mixed paints and enamels (fourth revision)".

For single colour Standard Mark, there is no restriction in the choice of the colour.

The font style and size used is Arial-85 pt.

IS -----



R - XXXXXXXXX

For details information on BIS, consult the e-BIS Portal ([www.manakonline. in](http://www.manakonline.in)).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



Our Ref: REGISTRATION/CRS 2022-1425/R-72006149

Date:19-06-2023

Inclusion Id: 69631

Subject :Inclusion of Additional Model(s)

MANUFACTURING UNIT :	Goldi Sun Private Limited CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445 dharmesh.v@goldisolar.com 07211171324	
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Dear Sir,

1. This has reference to your request for inclusion of models of "**CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)**" as per **IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004** in Licence No. **R-72006149** already granted to you which is valid upto 04-05-2024.

2. It is intimated that the additional Models as per details given below have been agreed to be included in your scope of Licence. **R-72006149 w.e.f. 19-06-2023:**

Product Category	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS No.	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004
Brand (As Declared by Manufacturer):	GOLDI
Inclusion of Additional Models (w.e.f. 19-06-2023)	GS10-B108-GF-410, GS10-B108-GF-415, GS10-B108-TF-410, GS10-B108-TF-415 , GS10-B120-GF-455, GS10-B120-GF-460, GS10-B120-TF-455, GS10-B120-TF-460, GS10-B132-GF-500, GS10-B132-GF-505, GS10-B132-TF-500, GS10-B132-TF-505,GS10-B144-GF-545, GS10-B144-GF-550,GS10-B144-TF-545, GS10-B144-TF-550
Factory Address	CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445

3. Other terms and conditions of the licence shall remain same.

4. This letter is being issued with the approval of competent authority.

Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Sonali Gupta)
Scientist-B
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



Ref. Certif. No.

US-40460-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Photovoltaic (PV) Module(s)

Name and address of the applicant

Goldi Sun Pvt Ltd
Office No 1010 10th Floor, Infinity Tower Lal Darwaja, Surat
Surat, Gujarat, 395008, India

Name and address of the manufacturer

Goldi Sun Private Limited
(Wholly Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445 INDIA

Name and address of the factory

Goldi Sun Private Limited
(Wholly Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445 INDIA

Note: When more than one factory, please report on page 2

☒ [Additional Information on page 2](#)

Ratings and principal characteristics

Maximum System Voltage: 1500 V
Maximum over current protection rating: 25 A
See Test Report, "Product Electrical Ratings" for electrical ratings for all models.

Trademark (if any)

GOLDI

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Mono PERC Bifacial Models:
144 Half cut cell Models: GS10-B144-GF-XXX, Where XXX stands for the power range from 525~540, in steps of 5W
☒ [Additional Information on page 2](#)

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to: EN 61215-1-1:2016, EN 61215-1-1:2016, EN 61215-2:2017
☐ [Additional Information on page 2](#)

A sample of the product was tested and found to be in conformity with

IEC 61215-1:2016, IEC 61215-2:2016, IEC 61215-1-1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E524542-4790121765-D1 issued on 2022-06-24

This CB Test Certificate is issued by the National Certification Body



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2022-06-29

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-40460-UL

Factory(ies):

Goldi Solar Private Limited
Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump,
Pipodara NH 48, Dist, SURAT GUJARAT 394110,
INDIA

Additional Model Detail(s):

Mono PERC Bifacial Models:

144 Half cut cell Models: GS10-B144-GF-XXX, Where XXX stands for the power range from 525~540, in steps of 5W

132 Half cut cell Models: GS10-B132-GF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W

120 Half cut cell Models: GS10-B120-GF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W

108 Half cut cell Models: GS10-B108-GF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W

Additional information (if necessary)



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Signature:

Jolanta M. Wroblewska

Date: 2022-06-29



Ref. Certif. No.

US-40462-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Photovoltaic (PV) Module(s)

Name and address of the applicant

Goldi Sun Pvt Ltd
Office No 1010 10th Floor, Infinity Tower Lal Darwaja, Surat
Surat, Gujarat, 395008, India

Name and address of the manufacturer

Goldi Sun Private Limited
(Wholly Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445 INDIA

Name and address of the factory

Goldi Sun Private Limited
(Wholly Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445 INDIA

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

☒ [Additional Information on page 2](#)

Maximum System Voltage: 1500 V
Maximum over current protection rating: 25 A
See Test Report, "Product Electrical Ratings" for electrical ratings for all models.

Trademark (if any)

GOLDI

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Mono PERC Bifacial Models:
144 Half cut cell Models: GS10-B144-GF-XXX, Where XXX stands for the
power range from 525~540, in steps of 5W

☒ [Additional Information on page 2](#)

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to: EN IEC 61730-1:2018, EN IEC 61730-2:2018
☐ [Additional Information on page 2](#)

A sample of the product was tested and found to be in conformity with

IEC 61730-2:2016, IEC 61730-1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E524542-4790121765-D2 issued on 2022-06-24

This CB Test Certificate is issued by the National Certification Body



☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2022-06-29

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-40462-UL

Factory(ies):

Goldi Solar Private Limited
Block No.149, Plot No. J & K1, Bs. IOC Petrol Pump,
Pipodara NH 48, Dist, SURAT GUJARAT 394110,
INDIA

Additional Model Detail(s):

Mono PERC Bifacial Models:

144 Half cut cell Models: GS10-B144-GF-XXX, Where XXX stands for the power range from 525~540, in steps of 5W

132 Half cut cell Models: GS10-B132-GF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W

120 Half cut cell Models: GS10-B120-GF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W

108 Half cut cell Models: GS10-B108-GF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W

Additional information (if necessary)



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Signature:

Jolanta M. Wroblewska

Date: 2022-06-29



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution,
Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002

दूरभाष/Phone: +91-11-23230856/2323010131/23233375/23239402

ई-मेल/E-mail: registration@bis.gov.in

वेबसाइट/Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: Registration/CRS 2022-1425/R-72006149

Date:05-05-2022

Subject : Licence Document

Manufacturing Unit :	Goldi Sun Private Limited CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445 dharmesh.v@goldisolar.com 07211171324	
----------------------	--	---

Dear Sir,

1. With reference to your Application, we are pleased to inform you that it has been decided to grant you licence as per details given below :

Product Category:	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name:	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS NO :	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (PART 1) : 2004 & IS/IEC 61730 (PART 2) : 2004
Brand (As Declared by Manufacturer) :	GOLDI
Model :	[Brand -> GOLDI, Models -> GS10-B108-GF-390, GS10-B108-GF-395, GS10-B108-GF-400, GS10-B108-GF-405, GS10-B108-TF-390, GS10-B108-TF-395, GS10-B108-TF-400, GS10-B108-TF-405, GS10-B108-WF-390, GS10-B108-WF-395, GS10-B108-WF-400, GS10-B108-WF-405, GS10-B120-GF-435, GS10-B120-GF-440, GS10-B120-GF-445, GS10-B120-GF-450, GS10-B120-TF-435, GS10-B120-TF-440, GS10-B120-TF-445, GS10-B120-TF-450, GS10-B120-WF-435, GS10-B120-WF-440, GS10-B120-WF-445, GS10-B120-WF-450, GS10-B132-GF-480, GS10-B132-GF-485, GS10-B132-GF-490, GS10-B132-GF-495, GS10-B132-TF-480, GS10-B132-TF-485, GS10-B132-TF-490, GS10-B132-TF-495, GS10-B132-WF-480, GS10-B132-WF-485, GS10-B132-WF-490, GS10-B132-WF-495, GS10-B144-GF-525, GS10-B144-GF-530, GS10-B144-GF-535, GS10-B144-GF-540, GS10-B144-TF-525, GS10-B144-TF-530, GS10-B144-TF-535, GS10-B144-TF-540, GS10-B144-WF-525, GS10-B144-WF-530, GS10-B144-WF-535, GS10-M144-WF-540]
Factory Address :	CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445

2. The licence is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.

3. The number assigned to this Licence is **R-72006149** which has been made operative from **05-05-2022** and is valid upto **04-05-2024** . The Licence Number should invariably be referred to in your future correspondence.

4. The rights and privileges under the licence shall not be exercised by any other factory / organization at any other location. This licence is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the licence Number shall be stopped and BIS shall be informed.

5. The licensee shall comply with the provisions of the Act, rules and regulations framed thereunder and as amended from time to time.

6. The licensee shall follow the guidelines for the use of Standard Mark and labeling requirements as per Annex-I.

7. The licensee shall not use the licence in any manner which contravenes the provisions of Act, rules and regulations framed thereunder and as amended from time to time.

8. Upon expiry of validity, stoppage or suspension or cancellation of licence, you shall discontinue forthwith the self declaration of conformity to the relevant Indian Standard(s) and withdraw all promotional and advertising matter which contains any reference thereto.

9. For renewal of licence, the licensee shall have to apply to BIS three months in advance before expiration of the licence and application form for renewal is available on BIS website.

10. The licence is not transferable. Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Saksham Vasudev)
Scientist-B
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

Annex - 1

The guidelines for use of Standard Mark for Scheme-C are per 3(1) of BIS (Conformity Assessment) Regulations,2017 are given below:

- i) The monogram of the 'Standard Mark' consists of the pictorial representation, drawn in the exact style as indicated in the figure in the figure in Annexure I. Its photographic reductin and enlargement is permitted.
- ii)The 'Standard Mark' can be displayed in single colour or multi-colour as per the details given below. The colour scheme for the Standard Mark to be used in multi colour shall be use as indicated below.
- iii) The licensee shall diplay the 'Standard Mark' on the article and/or the packaging, as the case may be, in a manner so as to be easily visible. It shall be legible, indelible and non-remobable. Further, the durability of marking shall be as per the provisions of the relevant Indian Standard, wherever applicable. The diplay of IS number, Registration number and words shall not be less than Arial forn size 6.
- iv) Any device with a integrated display scenen may present the Standard Mark electronically (e-labelling) in lieu of a physical presentation on the product.

Technical drawing of a rectangular sign with rounded corners. The sign features a large stylized 'S' and the text 'R-12345678' at the bottom. The drawing includes numerous dimensions and labels for various parts of the sign.

Dimensions:

- Overall width: 240.49 mm
- Overall height: 175.48 mm
- Top-left corner radius: 27.03 mm
- Top-right corner radius: 27.03 mm
- Bottom-left corner radius: 27.03 mm
- Bottom-right corner radius: 27.03 mm
- Top-left corner radius: 27.03 mm
- Top-right corner radius: 27.03 mm
- Bottom-left corner radius: 27.03 mm
- Bottom-right corner radius: 27.03 mm
- Top-left corner radius: 27.03 mm
- Top-right corner radius: 27.03 mm
- Bottom-left corner radius: 27.03 mm
- Bottom-right corner radius: 27.03 mm

Labels:

- B1:** 240.49 mm
- B2:** 175.48 mm
- B3:** 66.26 mm
- B4:** 12.00 mm
- B5:** 8.24 mm
- H1:** 200.00 millimeters
- H2:** 100.00 mm
- H3:** 39.37 mm
- H4:** 21.69 mm
- H5:** 29.12 mm
- L1:** 91.00 millimeters
- L2:** 84.31 mm
- L3:** 40.47 mm
- L4:** 40.47 mm
- L5:** 3.36 mm
- D1:** 23.51 millimeters
- D2:** 23.53 millimeters
- D3:** 7.52 mm
- D4:** 19.16 mm
- D5:** 42.49 mm
- D6:** 81.06 mm

Figures:

- fig A:** Top-left corner detail
- fig B:** Bottom-right corner detail

Text:

- IS 16046**
- R-12345678**

H1	200
H2	100
H3	39.3
H4	21.6
H5	17.7
L1	91.0
L2	84.3
L3	25.2
L4	40.4
L5	3.36
D1	23.5
D2	23.5
D3	7.52
D4	19.6
D5	42.4
D6	8.57
B1	240.49
B2	175.48
B3	66.26
B4	12.00
B5	8.24

a) For printing purposes, colours shall be "Oriental Blue" and "Monopol Red" as per IS 1222:1992. 'Ink, duplicating for twin cylinder rotary machines (third revision)'

b) For sign board purposes, colours shall be "French Blue" (No.166) Red" (No.537) as per IS 5:1994 "Colours for ready mixed paints and enamels (fourth revision)".

The font style and size used is Arial-85 pt.

IS -----



R - XXXXXXXXX

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



Our Ref: REGISTRATION/CRS 2022-1425/R-72006149

Date:19-06-2023

Inclusion Id: 69631

Subject :Inclusion of Additional Model(s)

MANUFACTURING UNIT :	Goldi Sun Private Limited CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445 dharmesh.v@goldisolar.com 07211171324	
----------------------	--	--

Dear Sir,

1. This has reference to your request for inclusion of models of "**CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)**" as per **IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004** in Licence No. **R-72006149** already granted to you which is valid upto 04-05-2024.

2. It is intimated that the additional Models as per details given below have been agreed to be included in your scope of Licence. **R-72006149 w.e.f. 19-06-2023:**

Product Category	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS No.	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004
Brand (As Declared by Manufacturer):	GOLDI
Inclusion of Additional Models (w.e.f. 19-06-2023)	GS10-B108-GF-410, GS10-B108-GF-415, GS10-B108-TF-410, GS10-B108-TF-415 , GS10-B120-GF-455, GS10-B120-GF-460, GS10-B120-TF-455, GS10-B120-TF-460, GS10-B132-GF-500, GS10-B132-GF-505, GS10-B132-TF-500, GS10-B132-TF-505,GS10-B144-GF-545, GS10-B144-GF-550,GS10-B144-TF-545, GS10-B144-TF-550
Factory Address	CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445

3. Other terms and conditions of the licence shall remain same.

4. This letter is being issued with the approval of competent authority.

Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Sonali Gupta)
Scientist-B
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



Ref. Certif. No.

US-40494-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Photovoltaic (PV) Module(s)

Name and address of the applicant

Goldi Sun Pvt Ltd
Office No 1010
10th Floor, Infinity Tower
Lal Darwaja, Surat, Gujarat 395008
India

Name and address of the manufacturer

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445.
INDIA

Name and address of the factory

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445,
INDIA

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

☒ [Additional Information on page 2](#)
Maximum System Voltage: 1500 V
Maximum over current protection rating: 25A.
See CB Test Report for additional ratings of all models.

Trademark (if any)

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Mono PERC Bifacial Models:
144 Half cut cell Models:
GS10-B144-TF-XXX, Where XXX stands for the power range from 525~540,
in steps of 5W

☒ [Additional Information on page 2](#)

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to: EN IEC 61730-1:2018, EN IEC 61730-2:2018

☐ [Additional Information on page 2](#)

A sample of the product was tested and found to be in conformity with

IEC 61730-2:2016, IEC 61730-1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E524542-4790121768-D2 issued on 2022-06-24

This CB Test Certificate is issued by the National Certification Body



☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2022-06-30

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-40494-UL

Factory(ies):

Goldi Solar Private Limited
Block No 149, Plot No J & K/1, Beside IOC petrol
pump, Pipodara, NH-48, Surat, Gujarat, 394110
India

Additional Model Detail(s):

GS10-M144-BF-XXX, Where XXX stands for the power range from 525~540, in steps of 5W
132 Half cut cell Models:
GS10-B132-TF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
GS10-M132-BF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
120 Half cut cell Models:
GS10-B120-TF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
GS10-M120-BF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
108 Half cut cell Models:
GS10-B108-TF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W
GS10-M108-BF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W

Additional information (if necessary)



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Signature:

Jolanta M. Wroblewska

Date: 2022-06-30



Ref. Certif. No.

US-40475-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Photovoltaic (PV) Module(s)

Name and address of the applicant

Goldi Sun Pvt Ltd
Office No 1010
10th Floor, Infinity Tower
Lal Darwaja, Surat Surat, Gujarat 395008
India

Name and address of the manufacturer

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445.
INDIA

Name and address of the factory

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445,
INDIA

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

☒ [Additional Information on page 2](#)
Maximum System Voltage: 1500 V
Maximum over current protection rating: 25A.
See CB Test Report for additional ratings of all models.

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Mono PERC Bifacial Models:
144 Half cut cell Models:
GS10-B144-TF-XXX, Where XXX stands for the power range from 525~540,
in steps of 5W

Additional information (if necessary may also be reported on page 2)

☒ [Additional Information on page 2](#)
Additionally evaluated to: EN 61215-1:2016, EN 61215-1-1:2016, EN 61215-2:2017
☐ [Additional Information on page 2](#)

A sample of the product was tested and found to be in conformity with

IEC 61215-1:2016, IEC 61215-2:2016, IEC 61215-1-1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E524542-4790121768-D1 issued on 2022-06-29

This CB Test Certificate is issued by the National Certification Body



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2022-06-30

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-40475-UL

Factory(ies):

Goldi Solar Private Limited
Block No 149, Plot No J & K/1, Beside IOC petrol
pump, Pipodara, NH-48, Surat, Gujarat, 394110
India

Additional Model Detail(s):

GS10-M144-BF-XXX, Where XXX stands for the power range from 525~540, in steps of 5W
132 Half cut cell Models:
GS10-B132-TF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
GS10-M132-BF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
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GS10-B120-TF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
GS10-M120-BF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
108 Half cut cell Models:
GS10-B108-TF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W
GS10-M108-BF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W

Additional information (if necessary)



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Signature:

Jolanta M. Wroblewska

Date: 2022-06-30



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution,
Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002

दूरभाष/Phone: +91-11-23230856/2323010131/23233375/23239402

ई-मेल/E-mail: registration@bis.gov.in

वेबसाइट/Website: <https://bis.gov.in/>, <https://www.crsbis.in/BIS/>

Our Ref: Registration/CRS 2022-1425/R-72006149

Date:05-05-2022

Subject : Licence Document

Manufacturing Unit :	Goldi Sun Private Limited CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445 dharmesh.v@goldisolar.com 07211171324	
----------------------	--	---

Dear Sir,

1. With reference to your Application, we are pleased to inform you that it has been decided to grant you licence as per details given below :

Product Category:	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name:	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS NO :	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (PART 1) : 2004 & IS/IEC 61730 (PART 2) : 2004
Brand (As Declared by Manufacturer) :	GOLDI
Model :	[Brand -> GOLDI, Models -> GS10-B108-GF-390, GS10-B108-GF-395, GS10-B108-GF-400, GS10-B108-GF-405, GS10-B108-TF-390, GS10-B108-TF-395, GS10-B108-TF-400, GS10-B108-TF-405, GS10-B108-WF-390, GS10-B108-WF-395, GS10-B108-WF-400, GS10-B108-WF-405, GS10-B120-GF-435, GS10-B120-GF-440, GS10-B120-GF-445, GS10-B120-GF-450, GS10-B120-TF-435, GS10-B120-TF-440, GS10-B120-TF-445, GS10-B120-TF-450, GS10-B120-WF-435, GS10-B120-WF-440, GS10-B120-WF-445, GS10-B120-WF-450, GS10-B132-GF-480, GS10-B132-GF-485, GS10-B132-GF-490, GS10-B132-GF-495, GS10-B132-TF-480, GS10-B132-TF-485, GS10-B132-TF-490, GS10-B132-TF-495, GS10-B132-WF-480, GS10-B132-WF-485, GS10-B132-WF-490, GS10-B132-WF-495, GS10-B144-GF-525, GS10-B144-GF-530, GS10-B144-GF-535, GS10-B144-GF-540, GS10-B144-TF-525, GS10-B144-TF-530, GS10-B144-TF-535, GS10-B144-TF-540, GS10-B144-WF-525, GS10-B144-WF-530, GS10-B144-WF-535, GS10-M144-WF-540]
Factory Address :	CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445

2. The licence is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.

3. The number assigned to this Licence is **R-72006149** which has been made operative from **05-05-2022** and is valid upto **04-05-2024** . The Licence Number should invariably be referred to in your future correspondence.

4. The rights and privileges under the licence shall not be exercised by any other factory / organization at any other location. This licence is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the licence Number shall be stopped and BIS shall be informed.

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8. Upon expiry of validity, stoppage or suspension or cancellation of licence, you shall discontinue forthwith the self declaration of conformity to the relevant Indian Standard(s) and withdraw all promotional and advertising matter which contains any reference thereto.

9. For renewal of licence, the licensee shall have to apply to BIS three months in advance before expiration of the licence and application form for renewal is available on BIS website.

10. The licence is not transferable. Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Saksham Vasudev)
Scientist-B
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

Annex - 1

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- ii)The 'Standard Mark' can be displayed in single colour or multi-colour as per the details given below. The colour scheme for the Standard Mark to be used in multi colour shall be use as indicated below.
- iii) The licensee shall diplay the 'Standard Mark' on the article and/or the packaging, as the case may be, in a manner so as to be easily visible. It shall be legible, indelible and non-remobable. Further, the durability of marking shall be as per the provisions of the relevant Indian Standard, wherever applicable. The diplay of IS number, Registration number and words shall not be less than Arial forn size 6.
- iv) Any device with a integrated display scenen may present the Standard Mark electronically (e-labelling) in lieu of a physical presentation on the product.

Technical drawing of a rectangular sign with rounded corners. The sign features a large stylized 'S' and the text 'R-12345678' at the bottom. The drawing includes numerous dimensions and labels for various parts of the sign.

Dimensions:

- Overall width: 240.49 mm
- Overall height: 175.48 mm
- Top-left corner radius: 27.03 mm
- Top-right corner radius: 27.03 mm
- Bottom-left corner radius: 27.03 mm
- Bottom-right corner radius: 27.03 mm
- Top-left corner radius: 27.03 mm
- Top-right corner radius: 27.03 mm
- Bottom-left corner radius: 27.03 mm
- Bottom-right corner radius: 27.03 mm
- Top-left corner radius: 27.03 mm
- Top-right corner radius: 27.03 mm
- Bottom-left corner radius: 27.03 mm
- Bottom-right corner radius: 27.03 mm

Labels:

- B1**: 240.49 mm
- B2**: 175.48 mm
- B3**: 66.26 mm
- B4**: 12.00 mm
- B5**: 8.24 mm
- H1**: 200.00 millimeters
- H2**: 100.00 mm
- H3**: 39.37 mm
- H4**: 21.69 mm
- H5**: 29.12 mm
- L1**: 91.00 millimeters
- L2**: 84.31 mm
- L3**: 19.16 mm
- L4**: 40.47 mm
- L5**: 3.36 mm
- D1**: 23.51 millimeters
- D2**: 23.53 millimeters
- D3**: 7.52 mm
- D4**: 19.16 mm
- D5**: 42.49 mm
- D6**: 81.06 mm

Figures:

- fig A**: Top view of the sign.
- fig B**: Side view of the sign.

Text:

- IS 16046**: Standard number.
- R-12345678**: Text on the sign.

H1	200
H2	100
H3	39.3
H4	21.6
H5	17.7
L1	91.0
L2	84.3
L3	25.2
L4	40.4
L5	3.36
D1	23.5
D2	23.5
D3	7.52
D4	19.6
D5	42.4
D6	8.57
B1	240.49
B2	175.48
B3	66.26
B4	12.00
B5	8.24

a) For printing purposes, colours shall be "Oriental Blue" and "Monopol Red" as per IS 1222:1992. 'Ink, duplicating for twin cylinder rotary machines (third revision)'

b) For sign board purposes, colours shall be "French Blue" (No.166) Red" (No.537) as per IS 5:1994 "Colours for ready mixed paints and enamels (fourth revision)".

The font style and size used is Arial-85 pt.

IS -----



R - XXXXXXXXX

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



Our Ref: REGISTRATION/CRS 2022-1425/R-72006149

Date:19-06-2023

Inclusion Id: 69631

Subject :Inclusion of Additional Model(s)

MANUFACTURING UNIT :	Goldi Sun Private Limited CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445 dharmesh.v@goldisolar.com 07211171324	
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Dear Sir,

1. This has reference to your request for inclusion of models of "**CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)**" as per **IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004** in Licence No. **R-72006149** already granted to you which is valid upto 04-05-2024.

2. It is intimated that the additional Models as per details given below have been agreed to be included in your scope of Licence. **R-72006149 w.e.f. 19-06-2023:**

Product Category	CRYSTALLINE SILICON TERRESTRIAL PHOTOVOLTAIC (PV) MODULES (Si wafer based)
Product Name	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
IS No.	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (Part 1) : 2004 & IS/IEC 61730 (Part 2) : 2004
Brand (As Declared by Manufacturer):	GOLDI
Inclusion of Additional Models (w.e.f. 19-06-2023)	GS10-B108-GF-410, GS10-B108-GF-415, GS10-B108-TF-410, GS10-B108-TF-415 , GS10-B120-GF-455, GS10-B120-GF-460, GS10-B120-TF-455, GS10-B120-TF-460, GS10-B132-GF-500, GS10-B132-GF-505, GS10-B132-TF-500, GS10-B132-TF-505,GS10-B144-GF-545, GS10-B144-GF-550,GS10-B144-TF-545, GS10-B144-TF-550
Factory Address	CITY SURVEY NO 920, VIJALPORE ROAD, TA., DIS., NAVSARI, GUJARAT,India-396445

3. Other terms and conditions of the licence shall remain same.

4. This letter is being issued with the approval of competent authority.

Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,
(Sonali Gupta)
Scientist-B
Telfax : +91-11-23230856
E-mail: registration@bis.gov.in

Note: This is a system generated letter. Hence signature is not required.
To verify authentication of letter, kindly scan the QR code on this letter.

For details information on BIS, consult the e-BIS Portal (www.manakonline.in).
Please use BIS CARE APP for verification of ISI-marked goods and hallmarked gold jewellery.



Ref. Certif. No.

US-40593-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Photovoltaic (PV) Module(s)

Name and address of the applicant

Goldi Sun Pvt Ltd
Office No 1010
10th Floor, Infinity Tower
Lal Darwaja, Surat Surat, Gujarat 395008
India

Name and address of the manufacturer

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445
India

Name and address of the factory

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445
India

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

☒ [Additional Information on page 2](#)
Maximum System Voltage: 1500 V
Maximum over current protection rating: 25A
See CB Test Report for additional ratings of all models.

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Mono PERC cell Models:
144 Half cut cell Models:GS10-M144-WF-XXX, Where XXX stands for the
power range from 525~540, in steps of 5W
☒ [Additional Information on page 2](#)

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to: EN 61215-1:2016, EN 61215-1-1:2016, EN 61215-2:2017
☐ [Additional Information on page 2](#)

A sample of the product was tested and found to be in conformity with

IEC 61215-1:2016, IEC 61215-2:2016, IEC 61215-1-1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E524542-4790217347.1.1-1 issued on 2022-07-18

This CB Test Certificate is issued by the National Certification Body



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2022-07-19

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-40593-UL

Factory(ies):

GOLDI SOLAR PRIVATE LIMITED
Block No 149, Plot No J & K/1, Beside IOC petrol pump,
Pipodara, NH-48, Surat, Gujarat, -394110
India

Additional Model Detail(s):

132 Half cut cell Models:GS10-M132-WF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
120 Half cut cell Models:GS10-M120-WF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
108 Half cut cell Models:GS10-M108-WF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W

Additional information (if necessary)



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Signature:

Jolanta M. Wroblewska

Date: 2022-07-19



Ref. Certif. No.

US-40594-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Photovoltaic (PV) Module(s)

Name and address of the applicant

Goldi Sun Pvt Ltd
Office No 1010
10th Floor, Infinity Tower
Lal Darwaja, Surat Surat, Gujarat 395008
India

Name and address of the manufacturer

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445
India

Name and address of the factory

Goldi Sun Private Limited
(Subsidiary of Goldi Solar Private Limited)
City Survey No.920, Vijalpore Road, Ta Dist. Navsari
Gujarat-396445
India

Note: When more than one factory, please report on page 2

Ratings and principal characteristics

☒ [Additional Information on page 2](#)
Maximum System Voltage: 1500 V
Maximum over current protection rating: 25A
See CB Test Report for additional ratings of all models.

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

Mono PERC cell Models:
144 Half cut cell Models:GS10-M144-WF-XXX, Where XXX stands for the
power range from 525~540, in steps of 5W
☒ [Additional Information on page 2](#)

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to: EN IEC 61730-1:2018, EN IEC 61730-2:2018
☐ [Additional Information on page 2](#)

A sample of the product was tested and found to be in conformity with

IEC 61730-2:2016, IEC 61730-1:2016

As shown in the Test Report Ref. No. which forms part of this Certificate

E524542-4790217347.1.1-2 issued on 2022-07-18

This CB Test Certificate is issued by the National Certification Body



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2022-07-19

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-40594-UL

Factory(ies):

GOLDI SOLAR PRIVATE LIMITED
Block No 149, Plot No J & K/1, Beside IOC petrol pump,
Pipodara, NH-48, Surat, Gujarat, -394110
India

Additional Model Detail(s):

132 Half cut cell Models:GS10-M132-WF-XXX, Where XXX stands for the power range from 480~495, in steps of 5W
120 Half cut cell Models:GS10-M120-WF-XXX, Where XXX stands for the power range from 435~450, in steps of 5W
108 Half cut cell Models:GS10-M108-WF-XXX, Where XXX stands for the power range from 390~405, in steps of 5W

Additional information (if necessary)



- ☒ UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- ☐ UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- ☐ UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- ☐ UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Signature:

Jolanta M. Wroblewska

Date: 2022-07-19

HELOC[®] PRO

GS10-B144-GF
(525 Wp - 540 Wp)



High Saving

Lower LCOE, reduced BOS cost,
shorter payback time



High Efficiency

Excellent module conversion
efficiency of up to 20.92%



Low-light Performance

Advanced glass and cell surface textured design
ensure excellent performance in low-light environment



PID Resistance

Excellent Anti-PID Performance guarantee
limited power degradation for mass production



IP68 Junction Box

High waterproof level



INDUSTRY LEADING PROTECTION

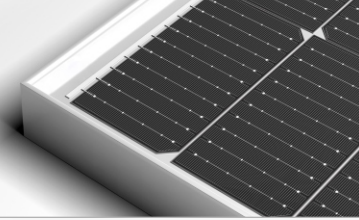


12 Years Warranty For
Materials And Processing



30 Years Warranty For
Linear Power Output

BEST IN Grade Quality Class Results



TECHNICAL DATA

Electrical Parameter at STC	Bifacial Monocrystalline Module			
Module Type	GS10-B144-GF			
Capacity rating – Pmax(Wp)	525	530	535	540
Power Tolerance (%)	0-2	0-2	0-2	0-2
Module efficiency (%)	20.33	20.53	20.73	20.92
Rated voltage - Vmp(V)	40.68	41.88	41.04	41.27
Rated current - Imp(A)	12.91	12.96	13.03	13.10
Open circuit voltage - Voc(V)	49.05	49.21	49.39	49.56
Short circuit current - Isc(A)	13.42	13.49	13.56	13.63

Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C. Except Pmax, all other parameters have a tolerance of ±3%.

Electrical Parameter at NOCT

Capacity rating – Pmax(Wp)	388.64	392.35	396.05	399.75
Rated voltage - Vmp(V)	37.94	38.13	38.28	38.49
Rated current - Imp(A)	10.24	10.28	10.34	10.39
Open circuit voltage - Voc(V)	45.87	46.02	46.19	46.35
Short circuit current - Isc(A)	10.81	10.86	10.92	10.98

Irradiance 800 W/m², ambient temperature 20°C, Module temperature 45°C, wind speed 1 m/sec

BI-FACIAL : PMAX WITH REAR SIDE POWER GAIN*

5% Gain	551	557	562	567
10% Gain	578	583	589	594
15% Gain	604	610	615	621
20% Gain	630	636	642	648
25% Gain	656	663	669	675
30 % Gain	683	689	696	702

Additional power gain from rear side compared to power of front side at STC depends on mounting structure (height, tilt angle etc.) and reflectivity of ground.

Bi-Faciality Factor : 70 ± 5 %

PERMISSIBLE OPERATING CONDITIONS

Temperature range	-40°C to + 85°C
Maximum system voltage	1500 VDC
NOCT	45± 2°C
Hail resistance	Max. diameter of 25 mm with velocity 23 m/s

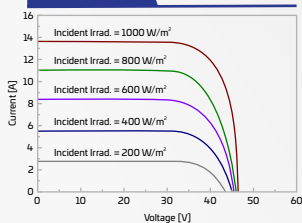
TEMPERATURE COEFFICIENTS (TC)

Temperature Coefficient (Voc)	-0.28% /°C
Temperature Coefficient (Isc)	0.048% /°C
Temperature Coefficient (Pmax)	-0.35% /°C

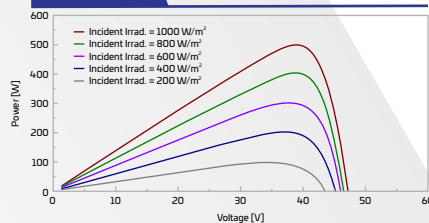
PACKAGING CONFIGURATION**

Number of Modules per Pallet	31
No of pallet	20
No of module, 40ft HC container	620

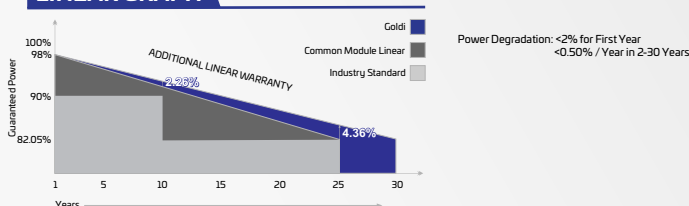
IV CURVE



PV CURVE



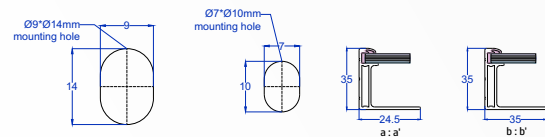
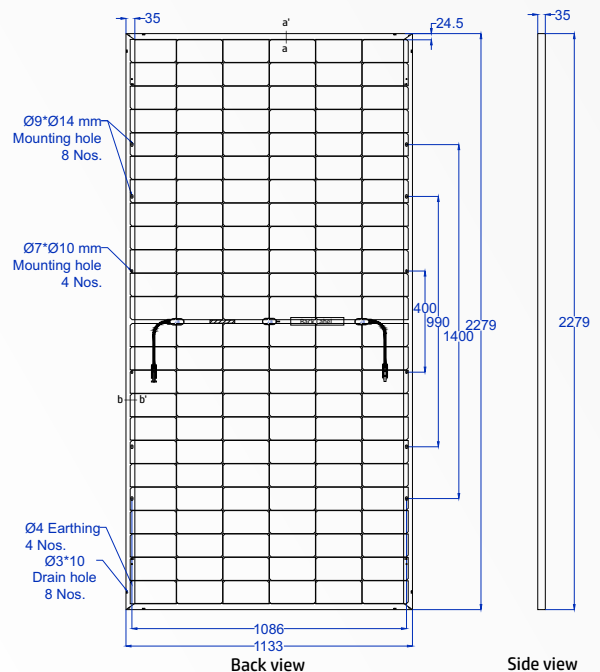
LINEAR GRAPH



MECHANICAL SPECIFICATION

Solar cells	144 pcs Bifacial monocrystalline Silicon(PERC), Multi BB
Encapsulation	POE Polyolefin based Encapsulant, UV and Weather stable
Frame	Silver Anodized Aluminium Alloy
Solar Glass	2.0 mm, High Transmission, AR Coated HS Glass
Dimensions	(L) 2279 mm x (W) 1133 mm x (H) 35 mm
Weight	~32 Kg
J-box	IP 68 certified, 3 diodes, Split junction box
Series Fuse Rating	25 A
Cable	4 mm ² , Solar cable 400 mm length or Customized length
Connectors	MC4 Type
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Surface load	Snow load 5400 Pa, Wind load 2400 Pa

DRAWING (MEASUREMENTS ARE IN MM)



PRODUCT CERTIFICATIONS

IEC 61215: 2016, IEC 61730: 2016, IS 14286:2010/IEC 61215:2005,
IS/IEC 61730-1 & 2: 2004
UL 61730-1 & 2, IEC 62804, CEC

MANAGEMENT SYSTEM CERTIFICATIONS



ISO 9001
ISO 14001
ISO 45001

UTILITY | INDUSTRIAL | AGRICULTURE | RESIDENTIAL

- **Quantity of modules/container may get changed without prior notice. Confirm with our sales representative before placing order.
- For handling & installation instructions, refer to Goldi's installation manual available on the company website
- Before placing an order, confirm your requirements with our sales representative
- The electrical data provided here is for reference purposes only
- Dispose of a product as e-waste after the end of its working life
- Refer to Goldi's warranty document for terms and conditions
- Due to constant product modifications, Goldi reserves the right to amend the above specifications without prior notice
- Images in the datasheet are for representation purpose only

1800 833 5511

info@goldisolar.com

goldisolar.com