

SOLI TERRA

700 Wp - 750 Wp

Bi-Facial Module with Dual Glass

N-Type
TOPCon

G12

Wattage

700Wp - 750Wp

Junction Box

35A - IP68, 3 Bypass Diodes

Cell

N-Type TOPCon
210 × 105 mm

Dimensions (LxWxT in mm)

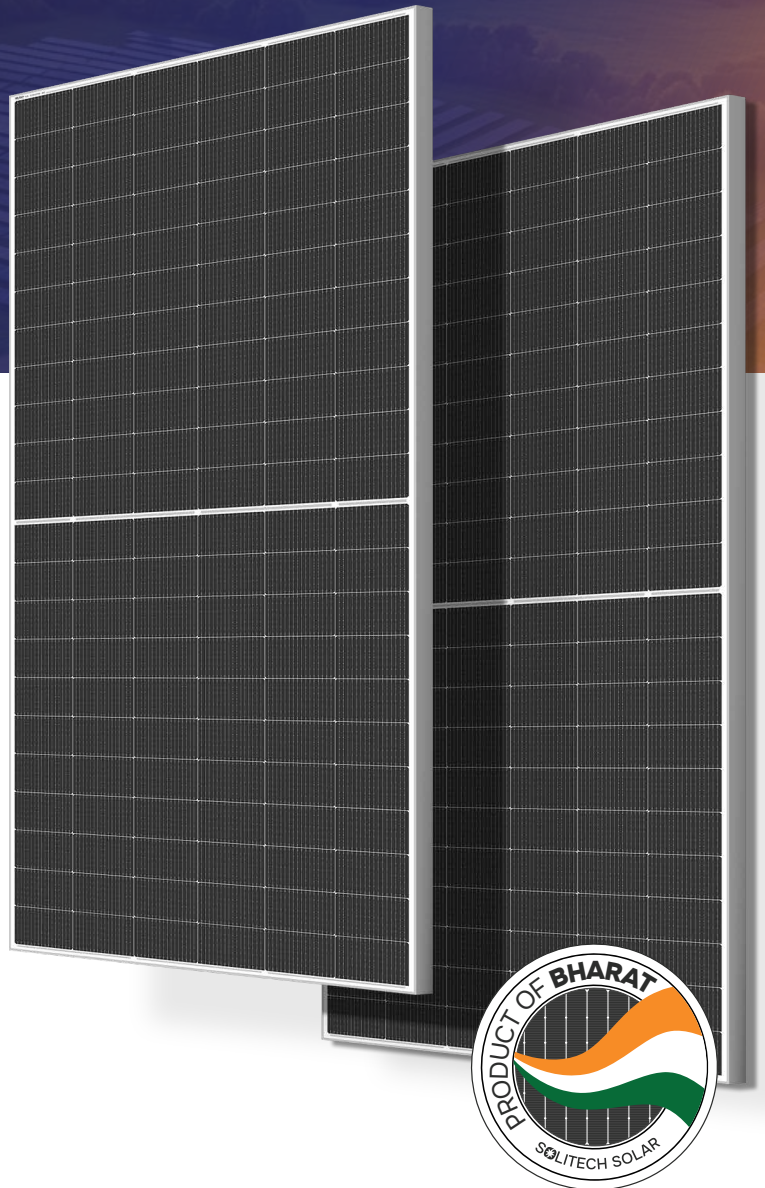
2384 × 1303 × 35 mm

Weight (kg)

39 ±0.5 kg

Design

Anodized Aluminium Alloy



Certifications



BIS
Certified



9001:2015
14001:2015
45001:2018



IS 14286,
IS/IEC 61730-1 & 2,
IEC - 62804 - PID
IEC 62716 - Ammonia corrosion

IEC 61701 - Salt mist corrosion
IEC 61853 - Irradiance and
temperature performance
measurements and power rating



Years of
Product Warranty



Years of Warranty on
Linear Performance

Scan to know more



Model Type : SGE - G12132T18G - 720

Electrical Characteristics (STC)

Maximum Power (Pmax) (W)	700	705	710	715	720	725	730	735	740	745	750
Power Tolerance (%)	0-3										
Module Efficiency (%)	22.53	22.69	22.85	23.02	23.18	23.34	23.5	23.66	23.82	23.98	24.14
Open Circuit Voltage Voc (V)	48.6	48.8	49	49.2	49.4	49.6	49.8	50	50.2	50.4	50.6
Short Circuit Current Isc (A)	18.32	18.36	18.4	18.44	18.49	18.54	18.59	18.64	18.69	18.74	18.79
Maximum Power Voltage Vmp (V)	40.5	40.7	40.9	41.1	41.3	41.5	41.7	41.9	42.1	42.3	42.5
Maximum Power Current Imp (A)	17.29	17.33	17.36	17.4	17.44	17.47	17.51	17.54	17.58	17.61	17.65

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM = 1.5, Measuring Uncertainty ± 3%.

Electrical Characteristics (NOMT)

Maximum Power (Pmax) (W)	534	538	542	546	550	554	558	562	566	570	574
Open Circuit Voltage Voc (V)	46.1	46.3	46.5	46.7	46.9	47.1	47.3	47.5	47.7	47.9	48.1
Short Circuit Current Isc (A)	14.76	14.8	14.84	14.88	14.92	14.96	15	15.04	15.08	15.12	15.16
Maximum Power Voltage Vmp (V)	38	38.2	38.4	38.6	38.8	39	39.2	39.4	39.6	39.8	40
Maximum Power Current Imp (A)	14.04	14.08	14.11	14.15	14.18	14.22	14.25	14.29	14.32	14.36	14.4

NOMT: Irradiance 800W/m², Ambient Temperature 20°C, AM = 1.5 Wind Speed 1m/s

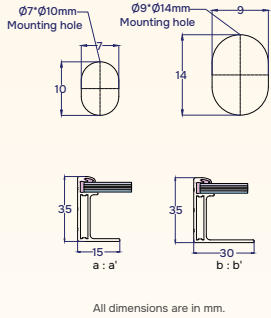
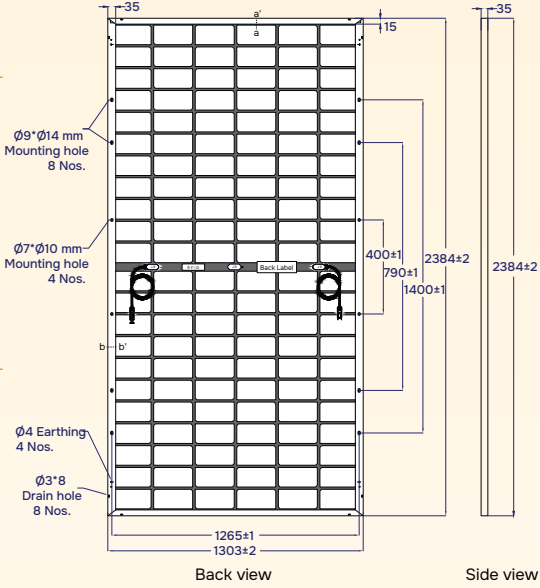
Bi-Facial Output – Backside Power Gain @ STC**

Nominal Maximum Power (Pmax)	5%	735	740	746	751	756	761	767	772	777	782	788
Module Efficiency (%)		23.66	23.83	24.00	24.17	24.34	24.51	24.68	24.84	25.01	25.18	25.35
Nominal Maximum Power (Pmax)	10%	770	776	781	787	792	798	803	809	814	820	825
Module Efficiency (%)		24.79	24.96	25.14	25.32	25.50	25.67	25.85	26.03	26.20	26.38	26.56
Nominal Maximum Power (Pmax)	15%	805	811	817	822	828	834	840	845	851	857	863
Module Efficiency (%)		25.91	26.10	26.28	26.47	26.66	26.84	27.03	27.21	27.40	27.58	27.77
Nominal Maximum Power (Pmax)	20%	840	846	852	858	864	870	876	882	888	894	900
Module Efficiency (%)		27.04	27.23	27.43	27.62	27.81	28.01	28.20	28.39	28.59	28.78	28.97

** Additional power gain from the rear side, relative to the front side's power at STC, is influenced by the mounting structure (such as height and tilt angle) and the ground's reflectivity.

Mechanical Specifications

Cell Type	N-Type TOPCon 210 × 105 mm
No. of cells	132 Half Cells (6×22)
Dimensions	2384 × 1303 × 35 mm
Weight	39.5 ±0.5 kg
Front Cover	2.0 mm AR Coated Semi-Tempered
Back Cover	2.0 mm Heat Strengthened
Frame	Anodized Aluminium Alloy
Junction Box	35A - IP68, 3 Bypass Diodes
Connector Type	MC4 Compatible
Output Cables	4 mm²



Maximum Operating Conditions

Maximum System Voltage	1500 V DC
Maximum Series Fuse Rating	35 A
Operating Temperature	-40°C to +85°C
Power Tolerance	0 ~ +5 W
Bifaciality	80 ±5%

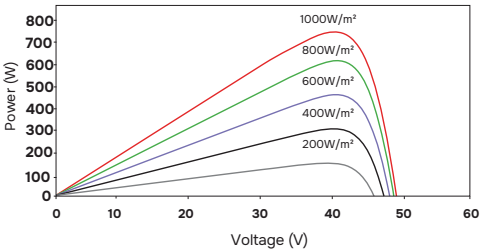
Temperature Coefficients

NMOT	45 ±2°C
Pmax Temp Coefficient	-0.29 %/°C
Voc Temp Coefficient	-0.25 %/°C
Isc Temp Coefficient	+0.045 %/°C

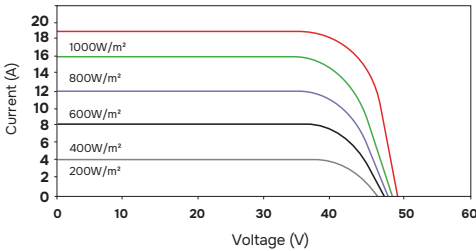
Packing Configuration#

	20FT	40FT
No. of Modules per Pallet	30 Nos	30 Nos
No. of Pallets per Container	10 Pallets	20 Pallets
No. of Modules per Container	300 Nos	600 Nos

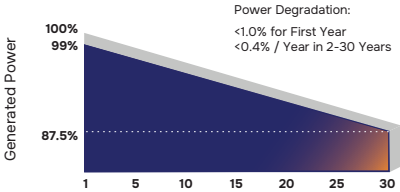
Power-Voltage Curves (SGE - G12132T18G - 720)



Current-Voltage Curves (SGE - G12132T18G - 720)



Linear Graph



- #Quantity of modules/container may get changed without prior notice.
- For handling & installation instructions, refer to Solitech Solar's installation manual available on the company website
 - Before placing an order, confirm your requirements with our sales representative
 - The electrical data provided is for reference purposes only
 - PV modules need to be disposed of as per government regulations after their life cycle
 - Refer to Solitech Solar's warranty document for terms and conditions
 - Due to constant product modifications, Solitech Solar reserves the right to amend the above specifications without prior notice
 - Images in the datasheet are for representation purposes only