



SOLITECH
SOLAR

SOLI FUSION

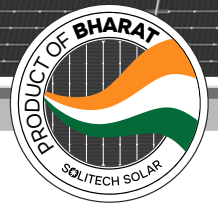
610 Wp - 630 Wp

Bi-Facial Module with Dual Glass

N-Type
TOPCon

G12R

SOLITECH



2.0 GW
GIGA FACTORY

WITH ADVANCED AI

30 Years

Warranty for Linear Performance

15 Years

Product Warranty on Workmanship

APPLICATIONS

UTILITY

INDUSTRIAL

AGRICULTURE

RESIDENTIAL

Salient Features



N-type Technology

For reduced light-induced degradation (LID/LeTID)



Dual-Sided Power Generation

To boost power output and lower the levelized cost of energy (LCOE).



SMBB Technology

Enhanced light absorption and efficient current extraction



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front & 2400 Pa rear max static test load



Anti-PID

Minimizes the occurrence of Potential Induced Degradation (PID)



High Efficiency

Enhanced module conversion efficiency of upto 23.30%

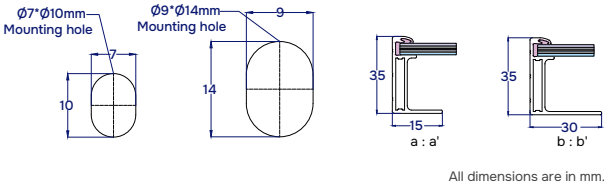
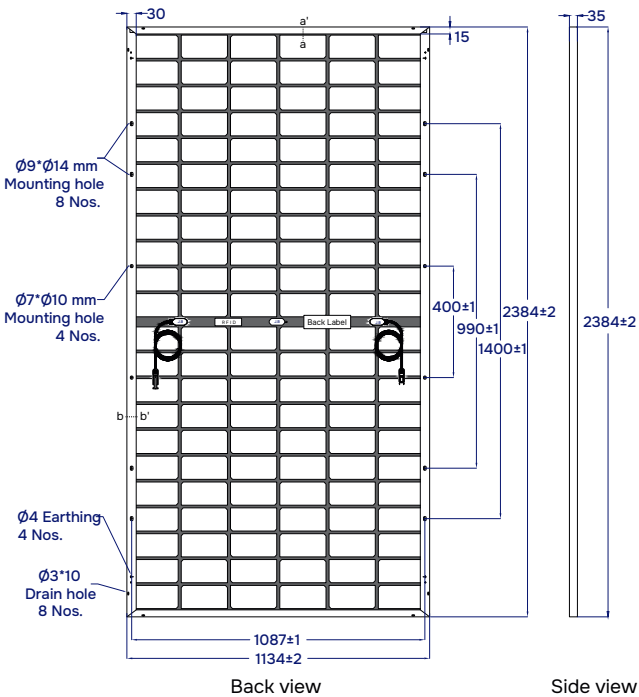
Electrical Characteristics (STC) table with 6 columns: Parameter, 630, 625, 620, 615, 610. Rows include Nominal Maximum Power (Pmax), Optimum Operating Voltage (Vmp), Optimum Operating Current (Imp), Open Circuit Voltage (Voc), Short Circuit Current (Isc), and Module Efficiency (%).

Electrical Characteristics (NOMT) table with 6 columns: Parameter, 471, 468, 465, 461, 457. Rows include Nominal Maximum Power (Pmax), Optimum Operating Voltage (Vmp), Optimum Operating Current (Imp), Open Circuit Voltage (Voc), Short Circuit Current (Isc).

Bi-Facial Output – Backside Power Gain @ STC** table with 6 columns: Parameter, 662, 656, 651, 646, 641. Rows include Nominal Maximum Power (Pmax) and Short Circuit Current (Isc) for different irradiance levels.

** 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. Bi-Faciality Factor: 70 ± 5%.

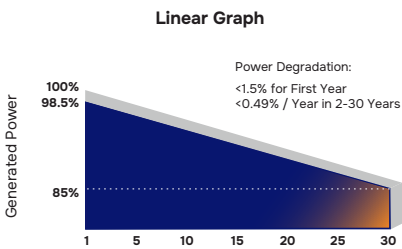
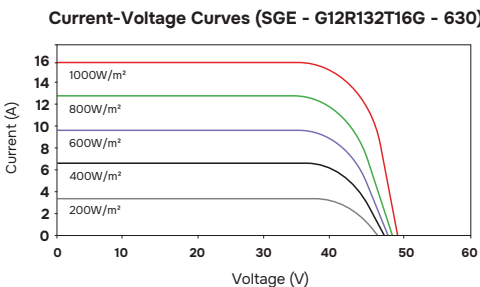
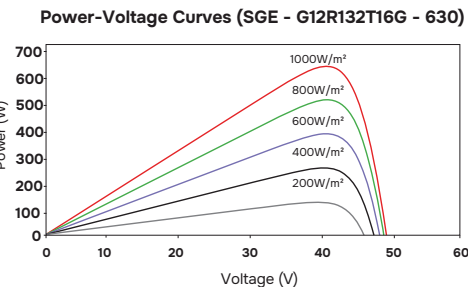
Mechanical Specifications table with 2 columns: Specification, Value. Rows include Cell Type, No. of cells, Dimensions, Weight, Front Cover, Back Cover, Frame, Junction Box, Protection Class, IEC Fire Type, Connector Type, and Output Cables.



Maximum Operating Conditions table with 2 columns: Condition, Value. Rows include Operating Temperature (-40°C to +85°C), Maximum System Voltage (1500V), and Maximum Series Fuse Rating (35 A).

Temperature Coefficients table with 2 columns: Coefficient, Value. Rows include Current α (Isc) (0.045 %/°C), Voltage β (Voc) (-0.25 %/°C), and Power γ (Pmax) (-0.29 %/°C).

Packing Configuration# table with 3 columns: Configuration, 20FT, 40FT. Rows include No. of Modules per Pallet, No. of Pallets per Container, and No. of Modules per Container.



- #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

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