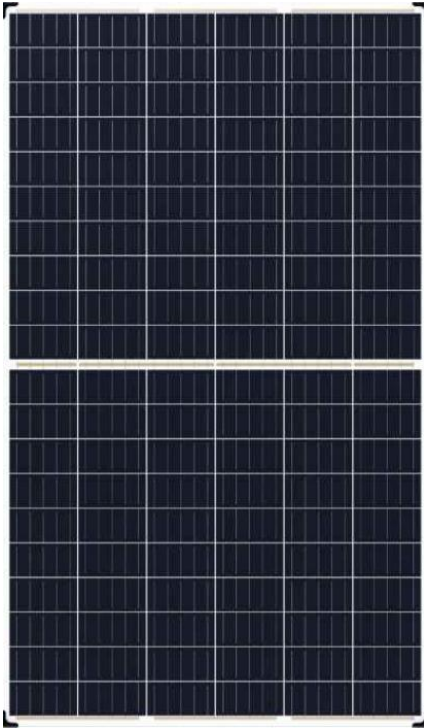


# PWSOLAR

## 285W Double Glass

### POLYCRYSTALLINE MODULE



#### ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 16.70% by using innovative Half-cell design and Multi-busbar(MBB) cell technology.
- Low temperature coefficient and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.
- Positive power tolerance of 0 ~ +5w.

#### ELECTRICAL CHARACTERISTICS AT STC

Model	PWDG285Wp-120P
Maximum Power (P <sub>max</sub> )	285W
Power Tolerance	0 ~ + 5W
Open Circuit Voltage (VOC)	38.01V
Short Circuit Current (ISC)	9.54A
Voltage at Nominal Power (V <sub>mp</sub> )	31.21V
Current at Nominal Power (I <sub>mp</sub> )	9.13A
Size of Module	1698 x 1002 x 6mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25° C , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	40°C to +85°C
Module Efficiency	16.70%

#### ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 +/- 2°C
Voltage temperature coefficient(Voc)	-0.330%/°C
Current temperature coefficient I sc)	+0.058%/°C
Power temperature coefficient(Pmpp)	-0.400%/°C
Minimum power tolerance	+/-10%
NOCT	45 +/- 2°C



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MECHANICAL CHARACTERISTICS

Cell Type	Polycrystalline (156.75*156.75)
Number of cell	120pcs ( 2 x 60)
Size of Module	1698 x 1002 x 6mm
Weight	About 24.00kgs
Front Glass	2.5mm Semi tempered coated glass
Interlayer	EVA/POE/PVB
Back Glass	2.5mm Semi tempered coated glass
Frame	No Frame
Junction Box	IP67, 3 diodes
Cable	4mm <sup>2</sup> (0.006inches <sup>2</sup> ), Portrait : 300mm, Landscape: 1200mm
Connector	MC4 or MC4 compatible
Maximum Load Capacity(Pa)	2400(wind load)/5400(snow load)

MODULE WARRANTY

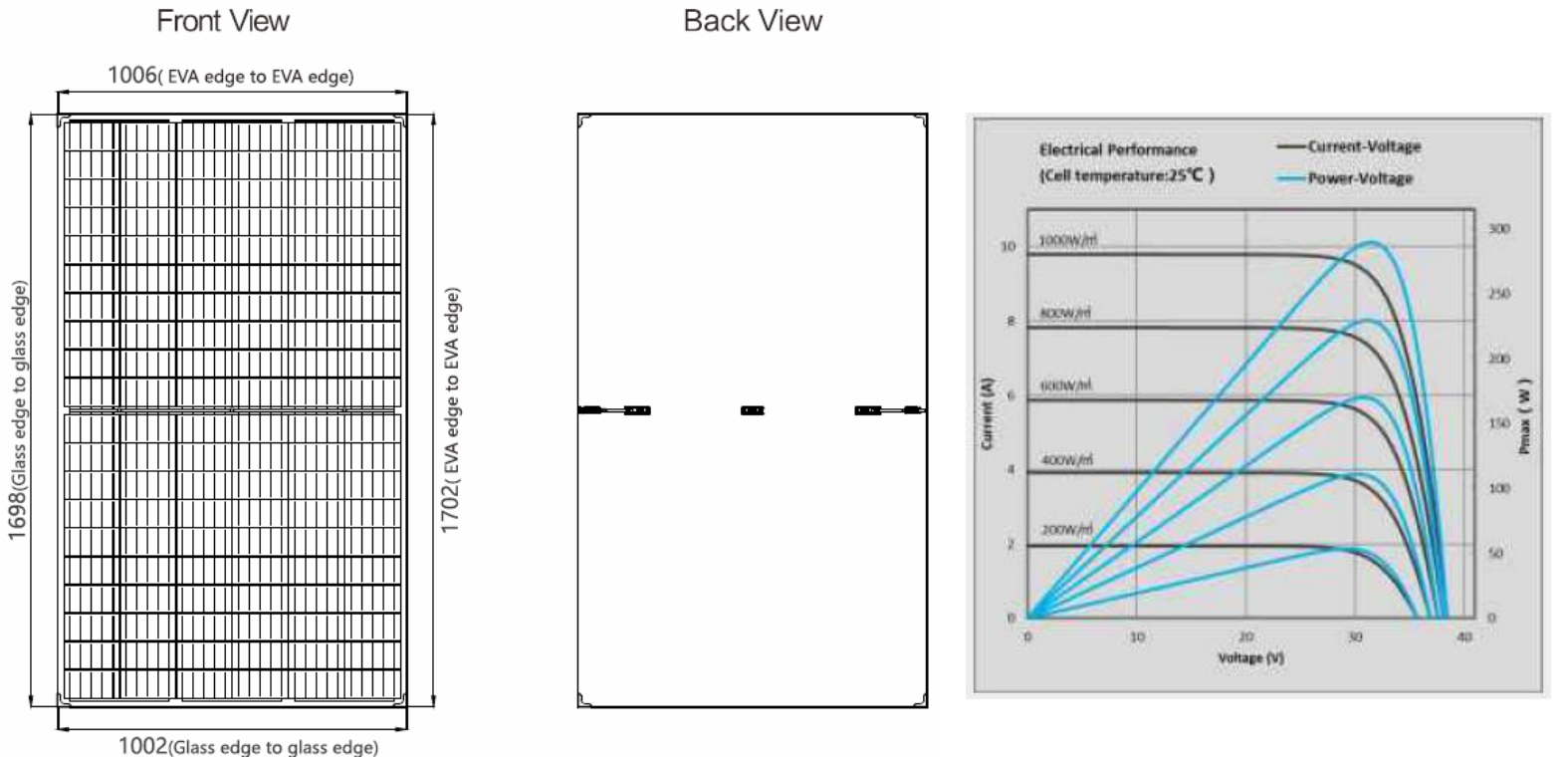
25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output; 12-year limited warranty of materials and workmanship.

PACKING

Standarding Packing: 38pcs/Pallet      Module Quantity of 20' container: 456pcs      Module Quantity of 40' container: 988pcs

ENGINEERING DRAWING

IV CURVES



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