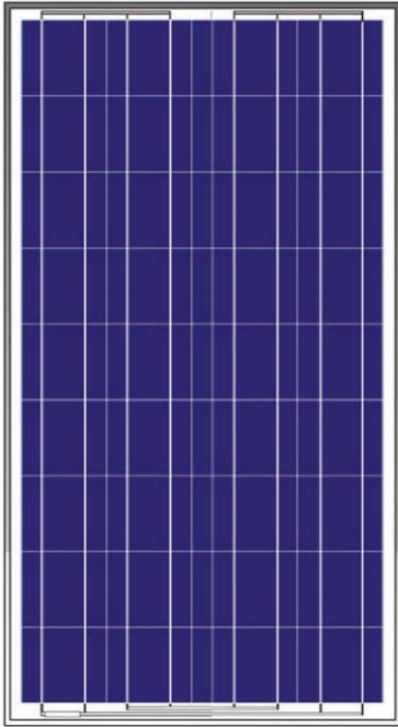


PWSOLAR

180W

POLYCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 18.00% 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	PW180Wp-36P
Maximum Power (P_{max})	180W
Power Tolerance	0 ~ + 5W
Open Circuit Voltage (VOC)	22.32V
Short Circuit Current (ISC)	10.81A
Voltage at Nominal Power (V_{mp})	18.30V
Current at Nominal Power (I_{mp})	9.84A
Size of Module	1480 x 680 x 35mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25°C , & AM :1.5G spectrum
Maximum system voltage	1000VDC
Operating temperature	40°C to +85°C
Module Efficiency	18.00%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 +/- 2°C
Voltage temperature coefficient(V_{oc})	-0.330%/°C
Current temperature coefficient (I_{sc})	+0.058%/°C
Power temperature coefficient(P_{mpp})	-0.400%/°C
Minimum power tolerance	+/-10%
NOCT	45 +/- 2°C



Room 101, No. 5 Building, No. 9 Haikou Road, Shinan District, Qingdao, China 266000

0086 532 85872070 0086 155 6392 6558 WhatsApp 0086 138 6421 6496

sales@pwsolarpower.com info@pwsolarpower.com www.pwsolarpower.com

MECHANICAL CHARACTERISTICS

Cell Type	Polycrystalline
Number of cell	36pcs (4 x 9)
Size of Module	1480 x 680 x 35mm
Weight	About 12.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP67 Rated
Cable	4mm ² (0.006inches ²), 900mm
Connector	MC4 or MC4 compatible

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

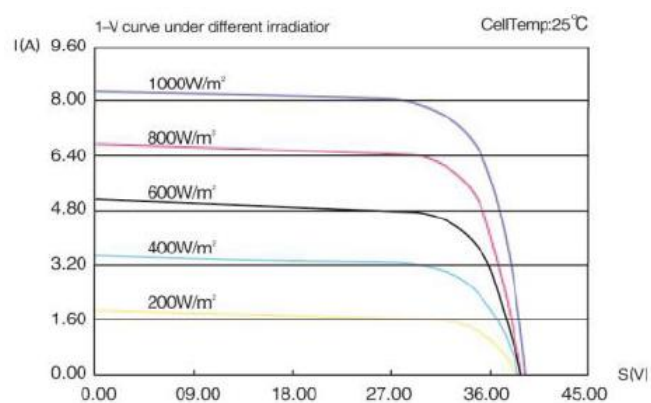
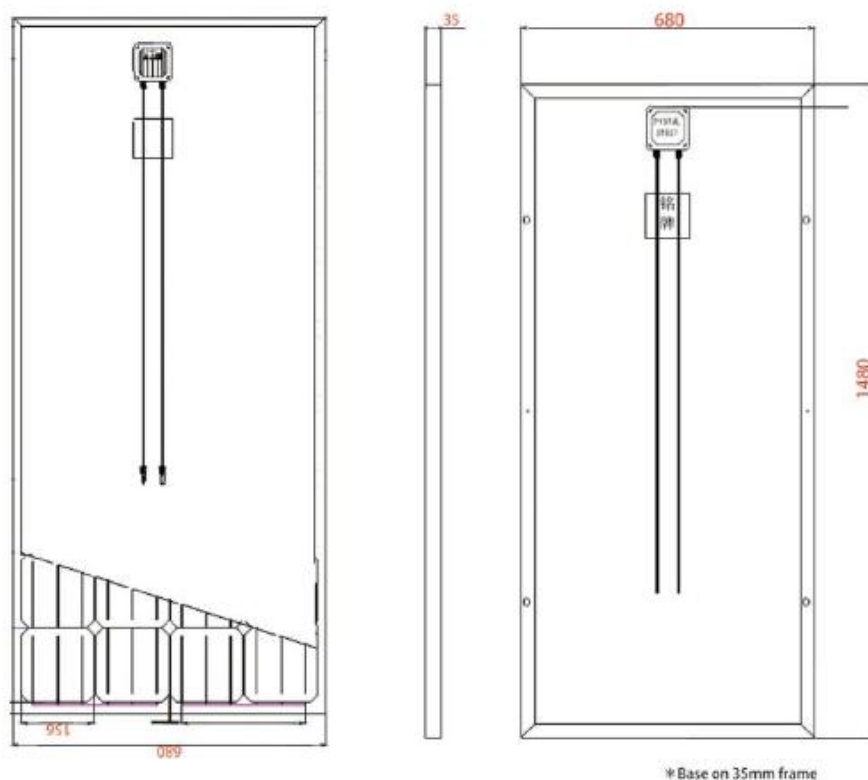
Standarding Packing: 30pcs/Pallet

Module Quantity of 20' container: 750pcs

Module Quantity of 40' container: 1600pcs

ENGINEERING DRAWING

IV CURVES



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Specifications in this datasheet are subject to change without prior notice