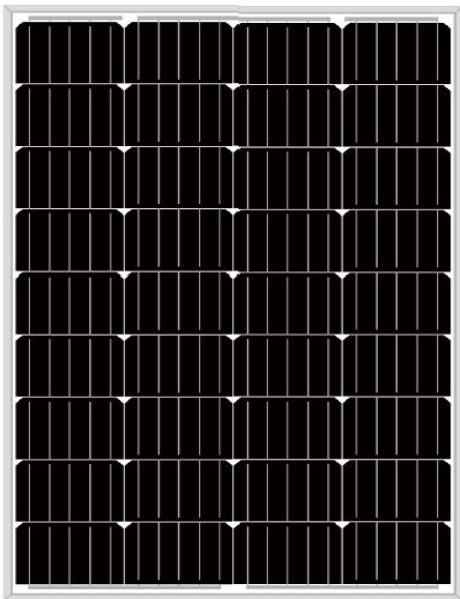


PWSOLAR

80W

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 20.78% 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 module 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	PW80Wp-36M
Maximum Power (P _{max})	80W
Power Tolerance	0 ~ +5W
Open Circuit Voltage (V _{OC})	22.30V
Short Circuit Current (I _{SC})	5.21A
Voltage at Nominal Power (V _{mp})	18.00V
Current at Nominal Power (I _{mp})	4.45A
Size of Module	840 x 450 x 25mm
Standard Test condition	Irradiance: 1000W/M ² Temp: 25 °C , & AM : 1.5G spectrum
Maximum system voltage	1000V DC
Operating temperature	- 40°C to +85°C
Module Efficiency	20.78%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 +/- 2°C
Voltage temperature coefficient (V _{oc})	-0.33%/°C
Current temperature coefficient (I _{sc})	+0.058%/°C
Power temperature coefficient (P _{mp})	-0.400%/°C
Minimum power tolerance	+/- 10%
NOCT	45 +/- 2°C



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MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline
Number of cell	36pcs (4 x 9)
Size of Module	770 x 550 x 25mm
Weight	About 6.50kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP67, 3 diodes
Cable	4mm ² (0.006inches ²),900mm(11.81inches)
Connector	MC4orMC4compatible

MODULE WARRANTY

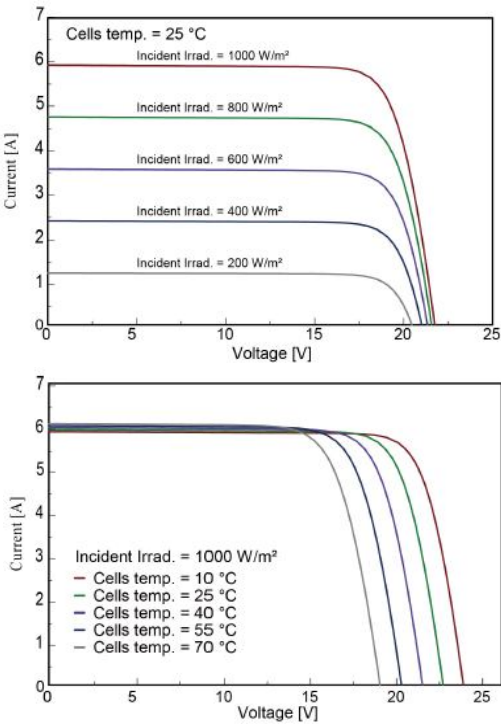
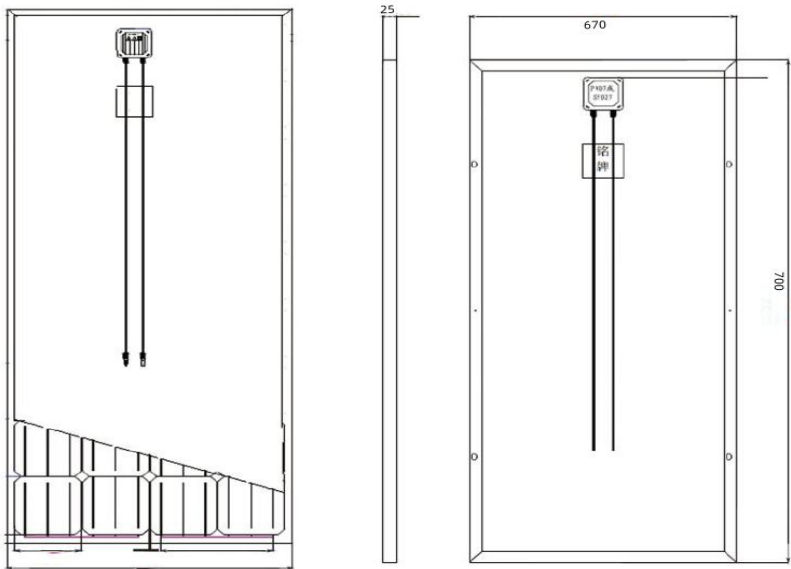
25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output; 5-year limited warranty of materials and workmanship.

PACKING

Standarding Packing: 120pcs/Pallet Module Quantity of 20' container: 1200pcs Module Quantity of 40' container: 2700pcs

ENGINEERING DRAWING

IV CURVES



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Specifications in this datasheet are subject to change without prior notice