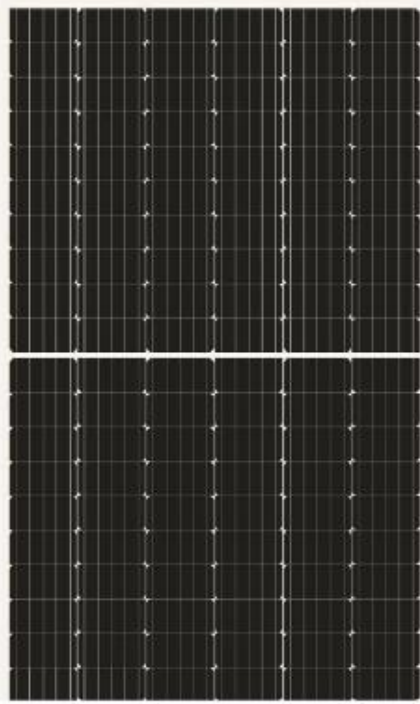


PWSOLAR

450W 182mm 120 cells

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 20.79% 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.
- ◆ Power tolerance of $\pm 5\%$.

ELECTRICAL CHARACTERISTICS AT STC

Model	PW450Wp-120M
Maximum Power (P_{max})	450W
Power Tolerance	$\pm 5\%$
Open Circuit Voltage (VOC)	41.55V
Short Circuit Current (ISC)	13.78A
Voltage at Nominal Power (V_{mp})	34.86V
Current at Nominal Power (I_{mp})	12.91A
Size of Module	1909 x 1134 x 35mm
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	20.79%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 \pm 2°C
Voltage temperature coefficient(V_{oc})	-0.33%/°C
Current temperature coefficient (I_{sc})	+0.058%/°C
Power temperature coefficient(P_{mpp})	-0.400%/°C
Minimum power tolerance	+/-10%
NOCT	45 \pm 2°C



MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline (182 x 91mm)
Number of cell	120pcs (60 x 2)
Size of Module	1909 x 1134 x 35mm
Weight	About 24.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable	4mm ² (0.006inches ²), 300mm (11.81inches)
Connector	MC4 or MC4 compatible

MODULE WARRANTY

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

PACKING

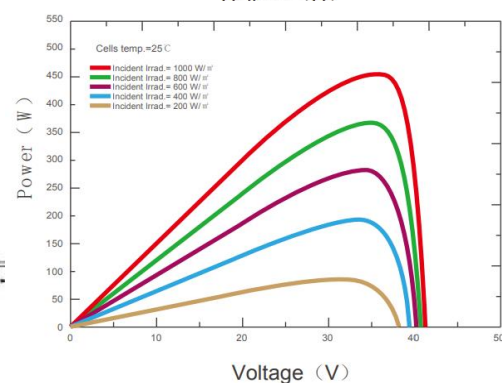
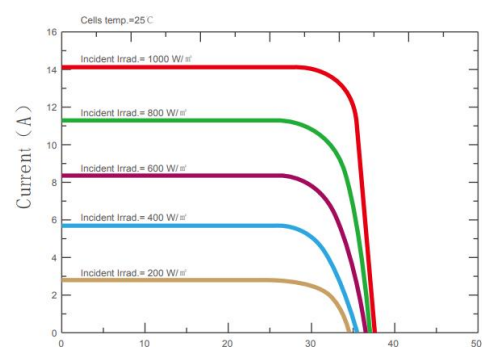
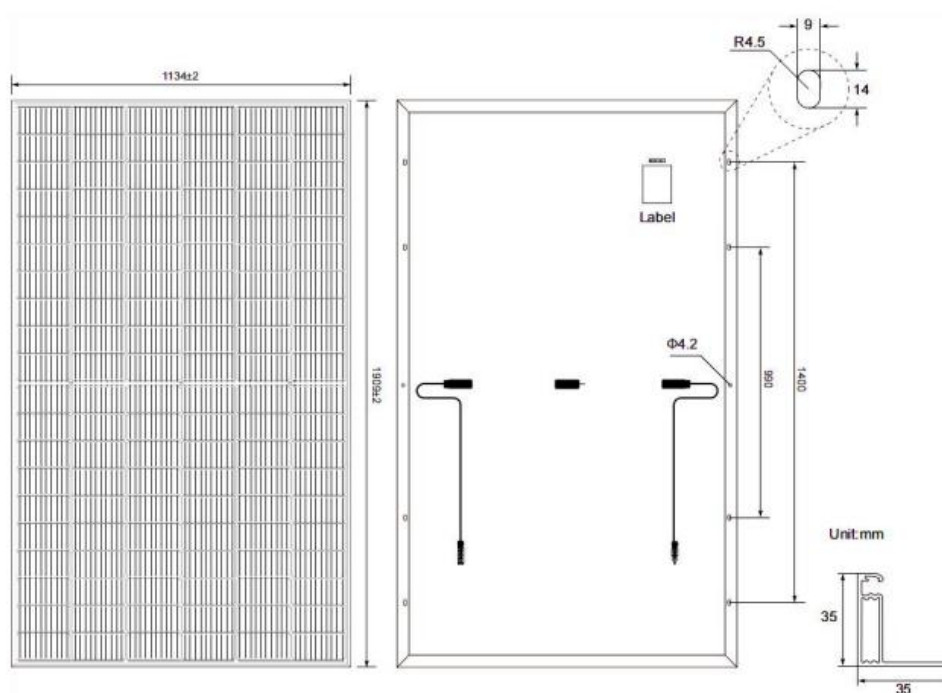
Standarding Packing: 27pcs/Pallet

Module Quantity of 20' container: 310pcs

Module Quantity of 40' container: 744pcs

ENGINEERING DRAWING

IV CURVES



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Specifications in this datasheet are subject to change without prior notice