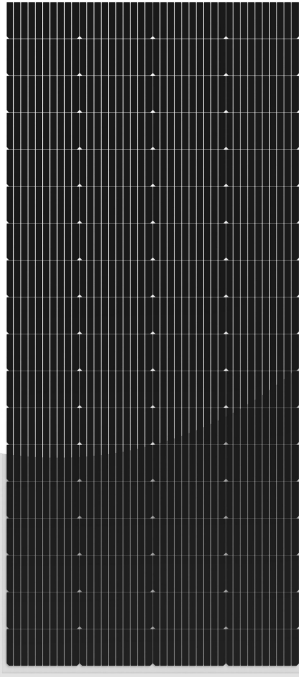


PWSOLAR

300W 72 cells

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 23.22% 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	PW300Wp-72M
Maximum Power (P_{max})	300W
Power Tolerance	0 ~ + 5W
Open Circuit Voltage (VOC)	48.17V
Short Circuit Current (ISC)	7.52A
Voltage at Nominal Power (V_{mp})	41.89V
Current at Nominal Power (I_{mp})	7.16A
Size of Module	1700 x 760 x 25mm
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	23.22%

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



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MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline （182*91mm）
Number of cell	72pcs
Size of Module	1700 x 760 x 25mm
Weight	About 15.50kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable	4mm ² (0.006inches ²), 900mm (11.81inches)
Connector	MC4 or MC4 compatible

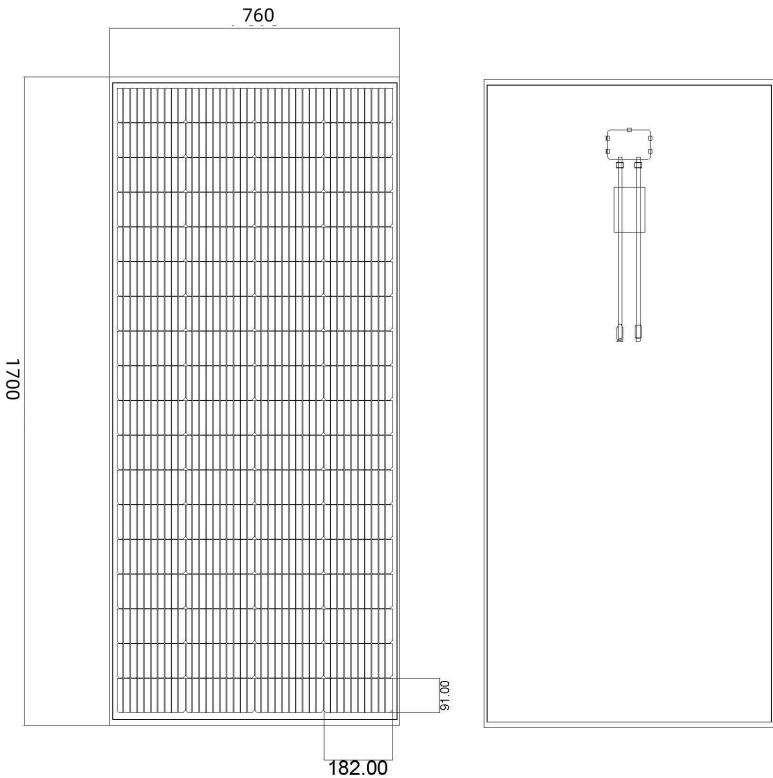
MODULE WARRANTY

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

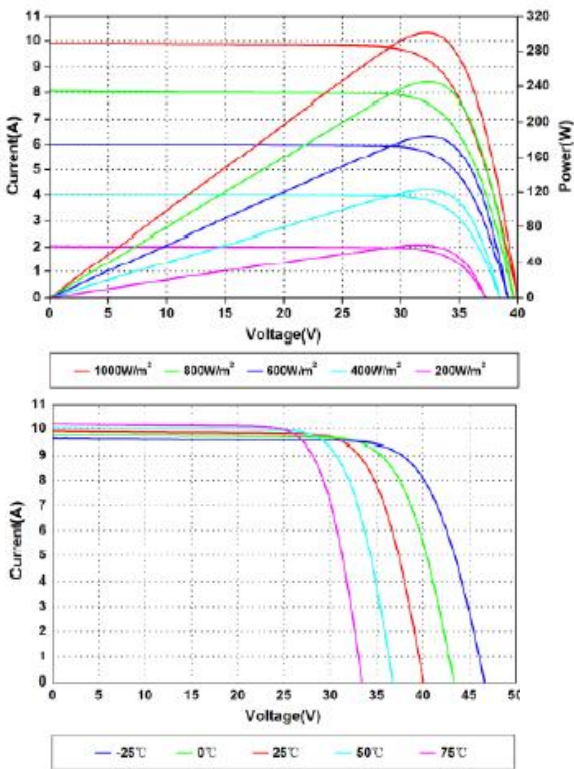
PACKING

Standard Packing: 36pcs/44pcs/Pallet Module Quantity of 20' container: 600pcs Module Quantity of 40' container: 1500pcs

ENGINEERING DRAWING



IV CURVES



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Specifications in this data sheet are subject to change without prior notice