

PWSOLAR

100W Flexible

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 20.16% 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 $\pm 3\%$.

ELECTRICAL CHARACTERISTICS AT STC

Model	PWFSP100M-36
Maximum Power (P_{max})	100W
Power Tolerance	$\pm 3\%$
Open Circuit Voltage (VOC)	22.98V
Short Circuit Current (ISC)	5.26A
Voltage at Nominal Power (Vmp)	19.98V
Current at Nominal Power (Imp)	5.01A
Size of Module	1240 x 400 x 3mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25°C , & AM :1.5G spectrum
Maximum system voltage	1500VDC
Operating temperature	- 40°C to +85°C
Module Efficiency	20.16%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 \pm 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 \pm 2°C



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



0086 532 85872070



0086 155 6392 6558



0086 138 6421 6496



sales@pwsolarpower.com



info@pwsolarpower.com



www.pwsolarpower.com

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline
Number of cell	36pcs (18 x 2)
Size of Module	1240 x 400 x 3mm
Weight	About 1.30kgs
Front Cover	Lightweight high transparent polymer materials
Back Board Color	White
Junction Box	IP67
Cable	4mm ² (0.006inches ²), 300mm/Customized
Connector	MC4 or MC4 compatible

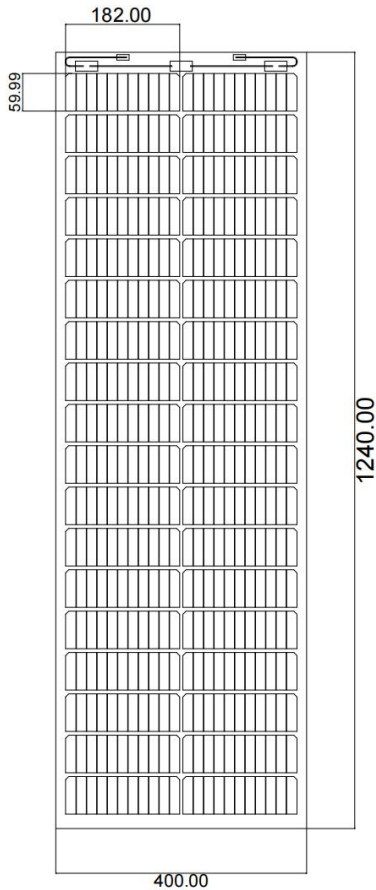
MODULE WARRANTY

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

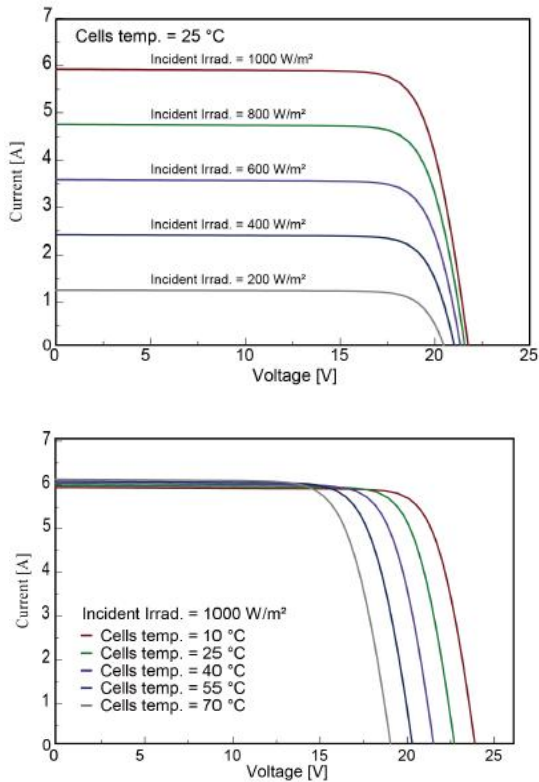
PACKING

Standard Packing: 36pcs/Pallet Module Quantity of 20' container: 1350pcs Module Quantity of 40' container: 3350pcs

ENGINEERING DRAWING



IV CURVES



Room 101, No. 5 Building, No. 9 Haikou Road, Shinan District, Qingdao, China 266000
0086 532 85872070 0086 155 6392 6558 0086 138 6421 6496
sales@pwsolarpower.com info@pwsolarpower.com www.pwsolarpower.com