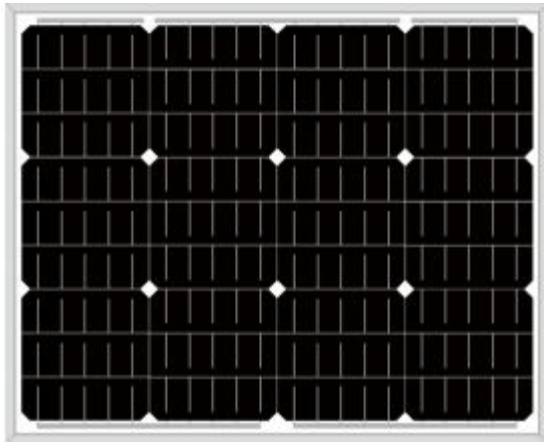


PWSOLAR

50W

MONOCRYSTALLINE MODULE

ADVANCED PERFORMANCE & PROVEN ADVANTAGES



- High module conversion efficiency up to 14.93% 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	PW50Wp-36M
Maximum Power (P _{max})	50W
Power Tolerance	0 ~ +5W
Open Circuit Voltage(VOC)	21.60V
Short Circuit Current(ISC)	3.12A
Voltage at Nominal Power (V _{mp})	17.50V
Current at Nominal Power (I _{mp})	2.86A
Size of Module	660 x 400 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	14.93%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 +/- 2°C
Voltage temperature coefficient(Voc)	-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



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	Monocrystalline
Number of cell	36pcs (4 x 9)
Size of Module	660 x 400 x 25mm
Weight	About 4.00kgs
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

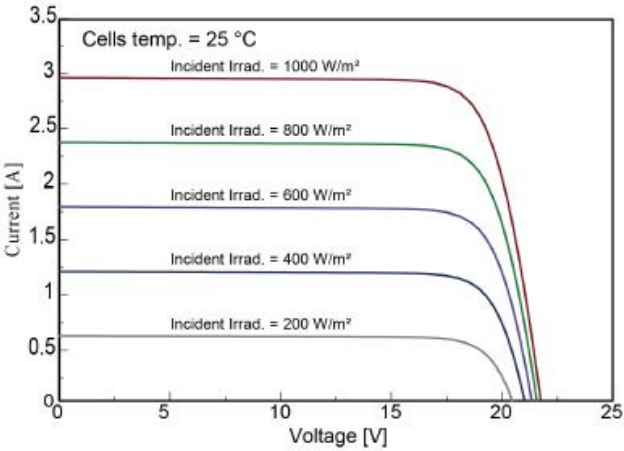
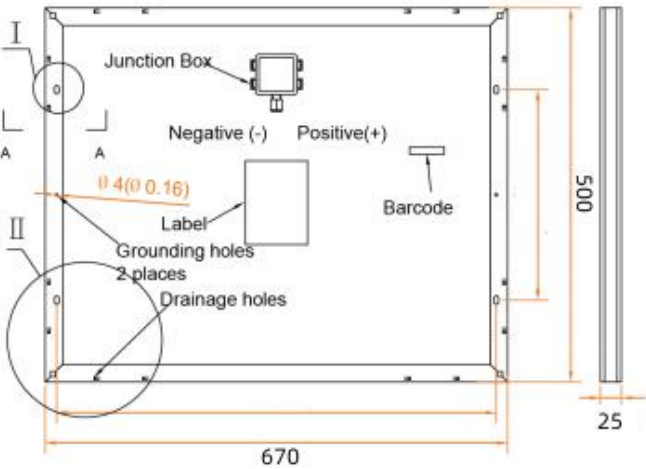
25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output; 5-year limited warranty of materials and workmanship.

PACKING

Standard Packing: 50/100pcs per Pallet Module Quantity of 20' container: 15000pcs Module Quantity of 40' container: 22000pcs

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 WhatsApp 0086 138 6421 6496
sales@pwsolarpower.com info@pwsolarpower.com www.pwsolarpower.com

Specifications in this datasheet are subject to change without prior notice