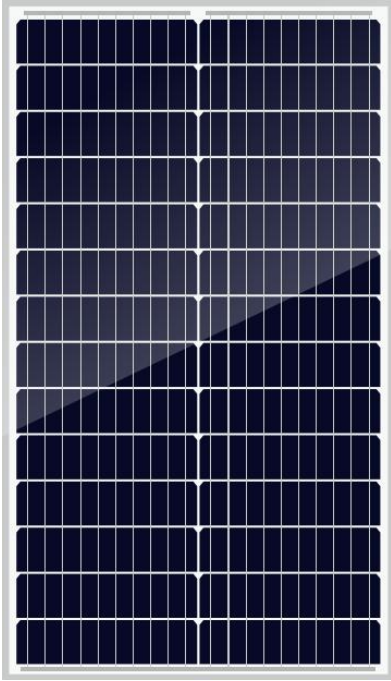


PWSOLAR

50W (182*182mm)

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- ◆ High module conversion efficiency up to 17.83% 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	PW50Wp-28M182
Maximum Power (P _{max})	50W
Power Tolerance	0 ~ + 5W
Open Circuit Voltage (VOC)	18.65V
Short Circuit Current (ISC)	3.23A
Voltage at Nominal Power (Vmp)	16.22V
Current at Nominal Power (Imp)	3.08A
Size of Module	710 x 395 x 25mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25°C , & AM :1.5G spectrum
Maximum system voltage	1000V DC
Operating temperature	- 40°C to +85°C
Module Efficiency	17.83%

ELECTRICAL CHARACTERISTICS AT STC

NOCT	45 +/-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 +/-2°C



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MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline (182*45.5mm)
Number of cell	28pcs (2 x 14)
Size of Module	710 x 395 x 25mm
Weight	About 3.10kgs
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	MC4 or MC4 compatible

MODULE WARRANTY

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

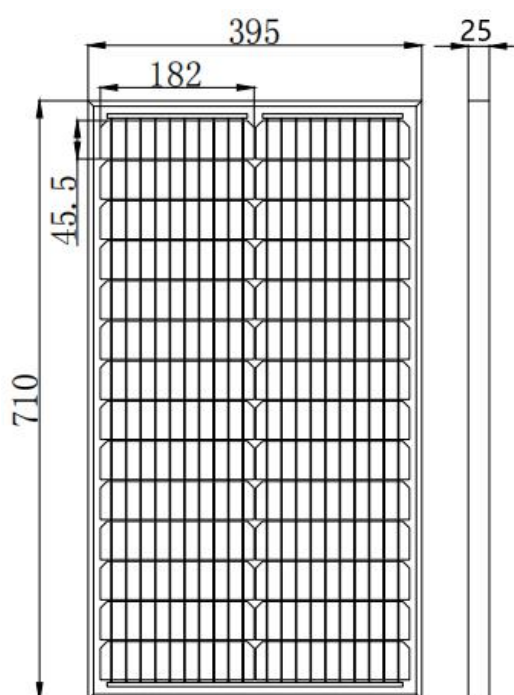
PACKING

Standarding Packing: 80pcs/Pallet

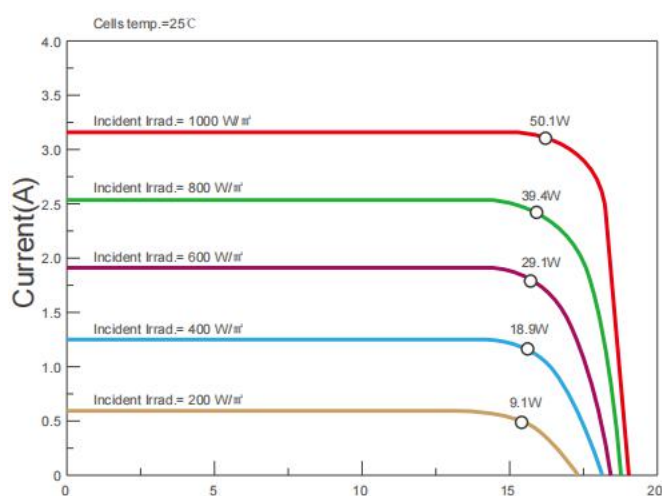
Module Quantity of 20' container:3120pcs

Module Quantity of 40' container:7040pcs

ENGINEERING DRAWING



IV CURVES



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Specifications in this datasheet are subject to change without prior notice