



Datasheet

90Wp — 100Wp



Monocrystalline solar PV module

Model Number	SN-M090	SN-M100
Maximum Power (pmax)	90Wp	100Wp
Optimum Operating Voltage/Vmp	18.0V	18.0V
Optimum Operating Current/Imp	5.00A	5.56A
Open Circuit Voltage /Voc	21.6V	21.6V
Short Circuit Current /Isc	5.2A	5.76A
Module Efficiency	13.9%	15.5%
Power Tolerance (%)		±3
Maximum Series Fuse Rating		15A
Maximum system voltage		1000 V DC

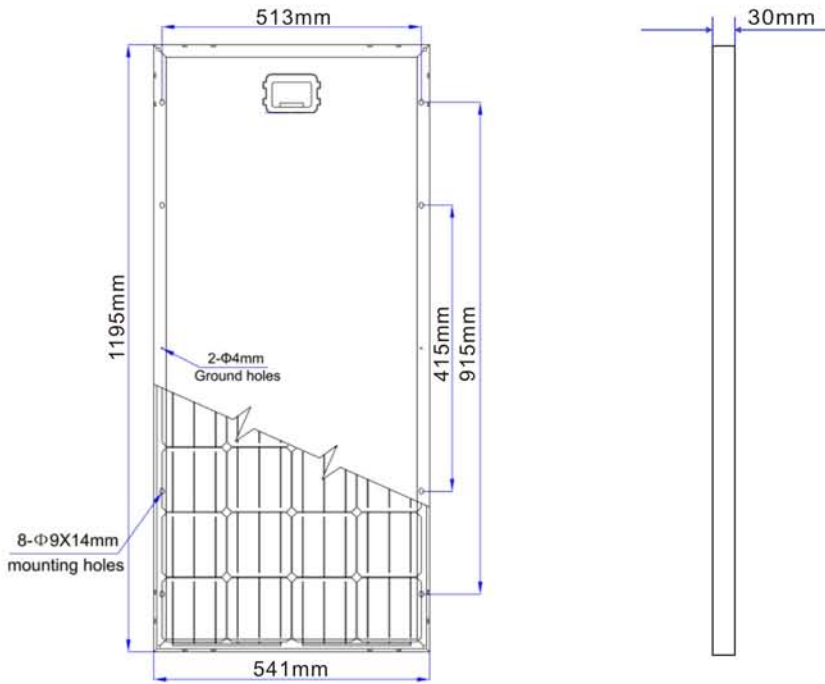
Maximum Data

Operating Temperature	-40°C~+80°C	°C
Storage temperature	from -40°C ~+80°C	°C
Instulation cut voltage	1000	DC
Maximum wind resistance	60m/s	N/m ² or max Km/h
Surface maximum load capacity	200	Kg/m ²
Maximum hail load capacity	25mm	80km/h

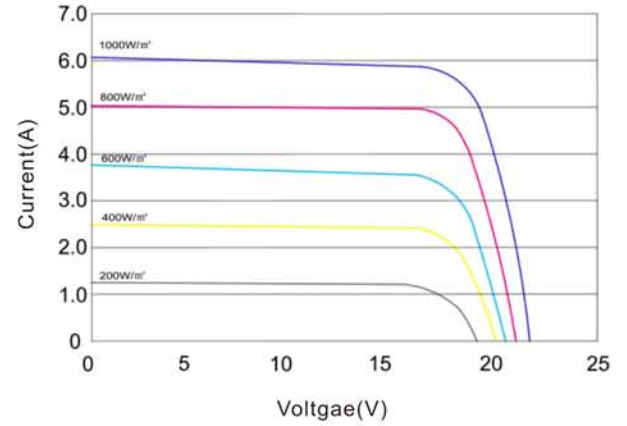
EFFICIENCY

-  Low voltage-temperature coefficient allows higher power output at high-temperature condition
-  High efficient, high reliable solar cells ensure our product output stability

Physical Characteristics



I-V Curve



Laminating Data

Cell dimension (mm)	125 x 125
Dimensions (mm)	1195x541x30
Number of cells	36(4*9)
Weight	9.6Kg
Frame Material	Clear anodized aluminium frame
Thickness of glass	3.2 mm tempered glass
Frame	Anodized aluminum alloy
Laminating material	EVA
Backsheet material	TPT
Junction Box	Ip65

STC

AM condition	AM1.5
Intensity of illumination	1000W/m ²
temperature	25°C

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.45%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.050%/°C

Superior Warranty



- 10** 10-years Manufacturing warranty.
- 12** 12-years warranty 90% power output.
- 25** 25-years warranty 80% power output.