



Datasheet

170Wp — 200Wp



Monocrystalline solar PV module

Model Number	SN-M170	SN-M180	SN-M190	SN-M200
Maximum Power (pmax)	170Wp	180Wp	190Wp	200Wp
Optimum Operating Voltage/Vmp	24V	24V	24V	24V
Optimum Operating Current/Imp	7.08A	7.5A	7.92A	8.33A
Open Circuit Voltage /Voc	28.8V	28.8V	28.8V	28.8V
Short Circuit Current /Isc	7.68A	8.1A	8.52A	8.93A
Module Efficiency	13.3%	14.1%	14.9%	15.7%
Power Tolerance (%)				±3
Maximum Series Fuse Rating				15A
Maximum system voltage				1000 V DC

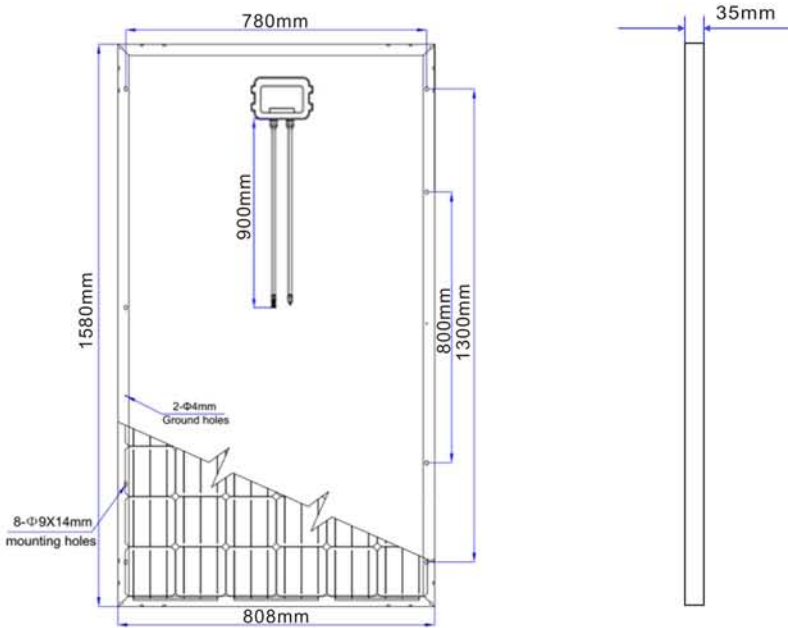
Maximum Data

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

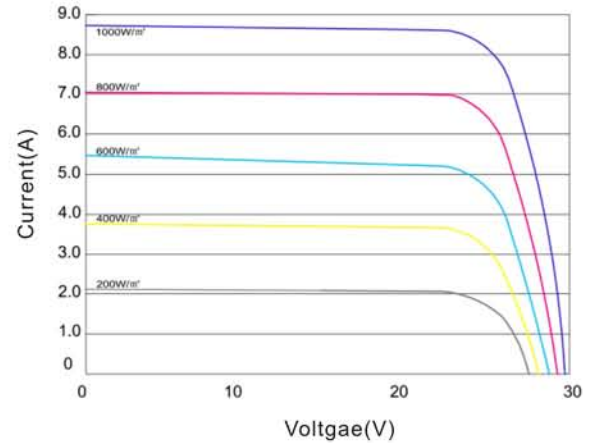
EFFICIENCY

-  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)	1580x808x35
Number of cells	72(6*12)
Weight	16Kg
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.