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Solar Panel Guide Specification Data Sheet

Shenzhen Shine Solar Co., Ltd.

SN-M260-300

SN-M300

Also available on the web at
EnergyPal.com/shenzhen-shine-solar-co-ltd-solar-panels/sn-m300



Datasheet

260Wp — 300Wp



Monocrystalline solar PV module

Model Number	SN-M260	SN-M270	SN-M280	SN-M290	SN-M300
Maximum Power (pmax)	260Wp	270Wp	280Wp	290Wp	300Wp
Optimum Operating Voltage/Vmp	36V	36V	36V	36V	36V
Optimum Operating Current/Imp	7.22A	7.5A	7.78A	8.06A	8.33A
Open Circuit Voltage /Voc	43.2V	43.2V	43.2V	43.2V	43.2V
Short Circuit Current /Isc	7.92A	8.2A	8.48A	8.76A	9.13A
Module Efficiency	13.5%	14%	14.5%	15%	15.5%
Power Tolerance (%)				±3	
Maximum Series Fuse Rating				15A	
Maximum system voltage				1000 V DC	

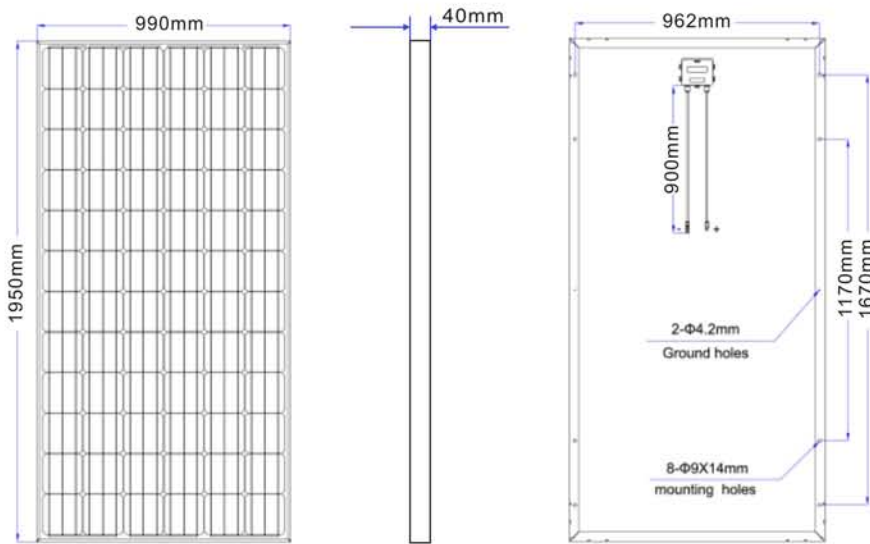
Maximum Data

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

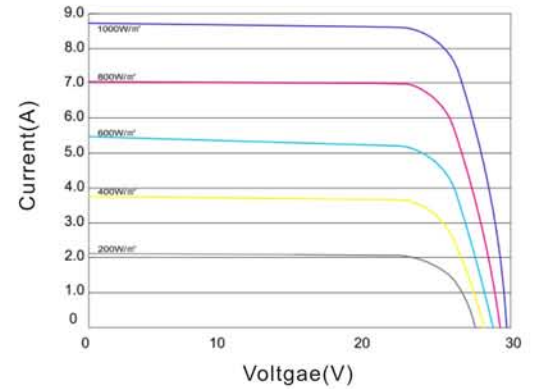
EFFICIENCY

-  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)	156 x 156
Dimensions (mm)	1950x990x40
Number of cells	72(6*12)
Weight	22Kg
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

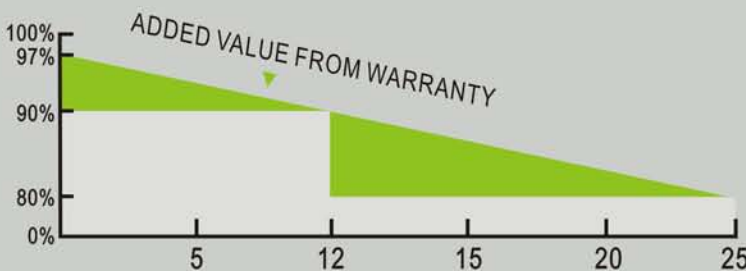
STC

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.