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# **EnergyPal**

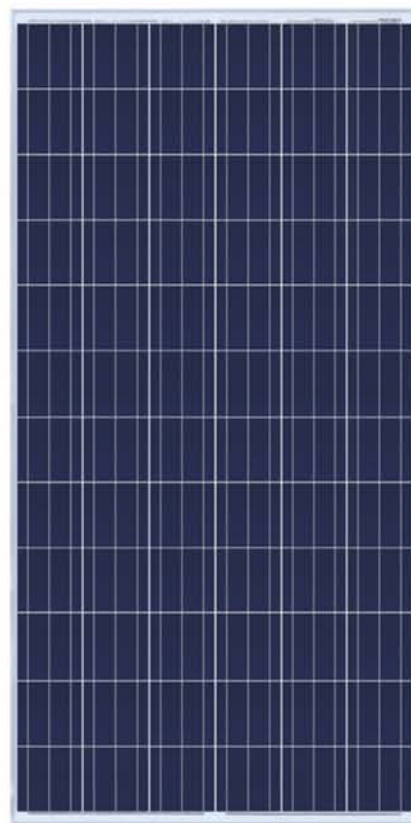
## **Solar Panel Guide Specification Data Sheet**

**Shenzhen Shine Solar Co., Ltd.**

**SN-P260-300**

**SN-P300**

Also available on the web at  
[EnergyPal.com/shenzhen-shine-solar-co-ltd-solar-panels/sn-p300](http://EnergyPal.com/shenzhen-shine-solar-co-ltd-solar-panels/sn-p300)



# Datasheet

260Wp — 300Wp



Polycrystalline solar PV module

Model Number	SN-P260	SN-P270	SN-P280	SN-P290	SN-P300
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				

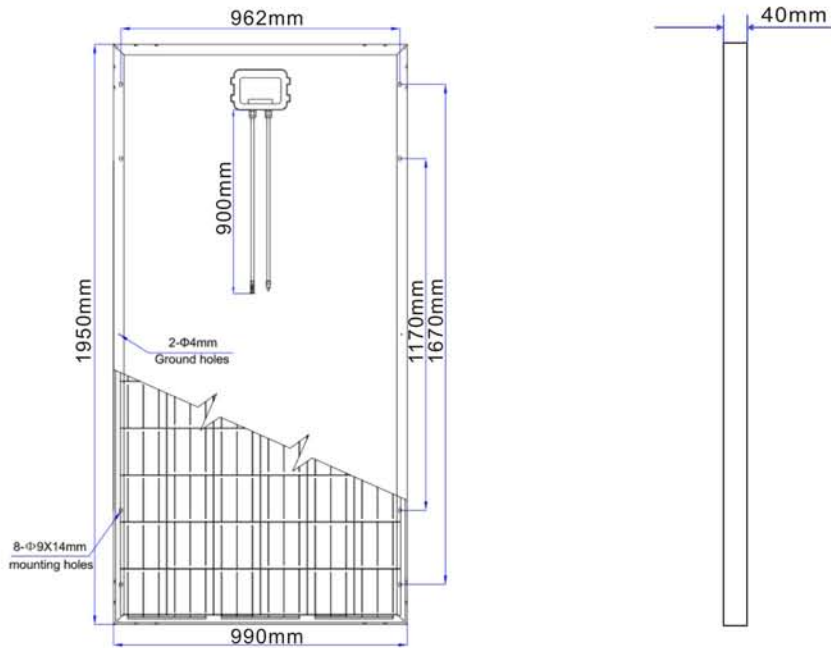
## Maximum Data

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 <sup>2</sup> or max Km/h
Surface maximum load capacity	200	Kg/m <sup>2</sup>
Maximum hail load capacity	25mm	80km/h

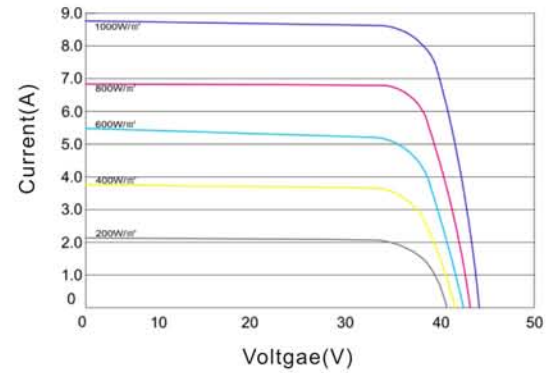
## EFFICIENCY

-  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

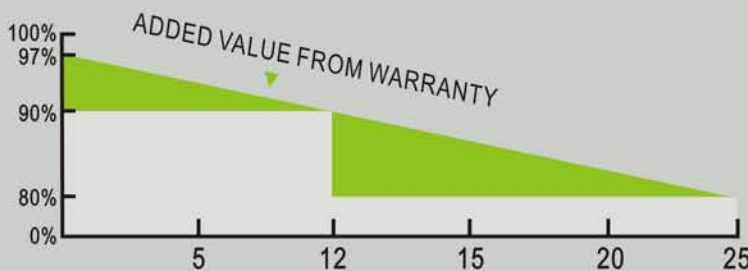
## STC

AM condition	AM1.5
Intensity of illumination	1000W/m <sup>2</sup>
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.