

# Datasheet

## 40Wp

## Polycrystalline solar PV module





Model Number	SN-P040
Maximum Power (pmax)	40Wp
Optimum Operating Voltage/Vmp	18.0V
Optimum Operating Current/Imp	2.22A
Open Circuit Voltage /Voc	21.6V
Short Circuit Current /Isc	2.42A
Module Efficiency	13.3%
Power Tolerance (%)	±3
Maximum Series Fuse Rating	15A
Maximum system voltage	1000 V DC

### Maximum Data

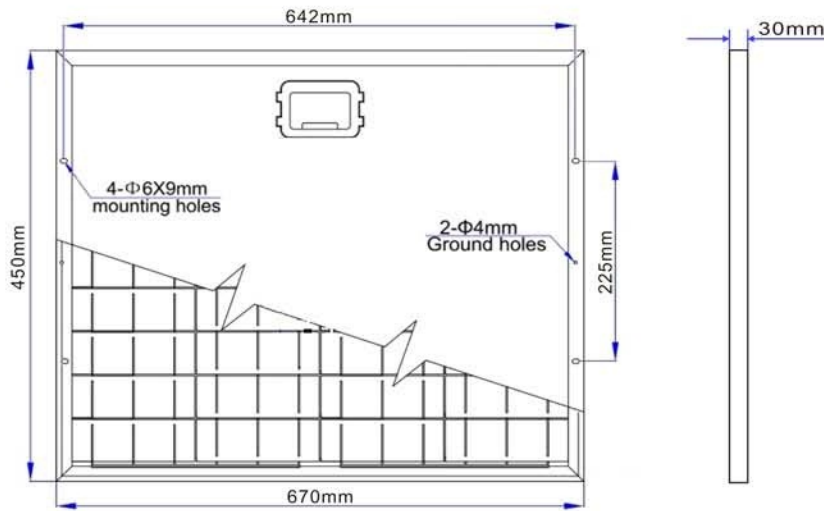
Operating Temperature	-40°C~+80°C	°C
Storage temperature	from -40°C ~+80°C	°C
Instulation cut voltage	1000	DC
Maximum wind resistance	60m/s	N/m² or max Km/h
Surface maximum load capacity	200	Kg/m²
Maximum hail load capacity	25mm	80km/h

### EFFICIENCY

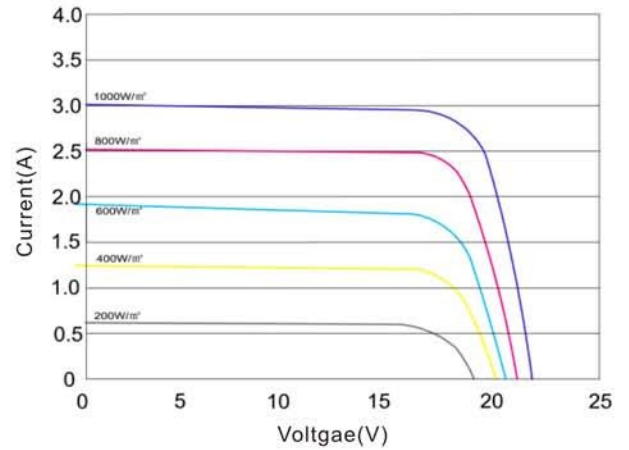
-  Low voltage-temperature coefficient allows higher power output at high-temperature condition
-  High efficient, high reliable solar cells ensure our product output stability



## Physical Characteristics



## I-V Curve



## Laminating Data

Cell dimension (mm)	156 x 42
Dimensions (mm)	450x670x30
Number of cells	36(4*9)
Weight	3.4Kg
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.