

# SLP090-12M

## High Efficiency Multicrystalline PV Module

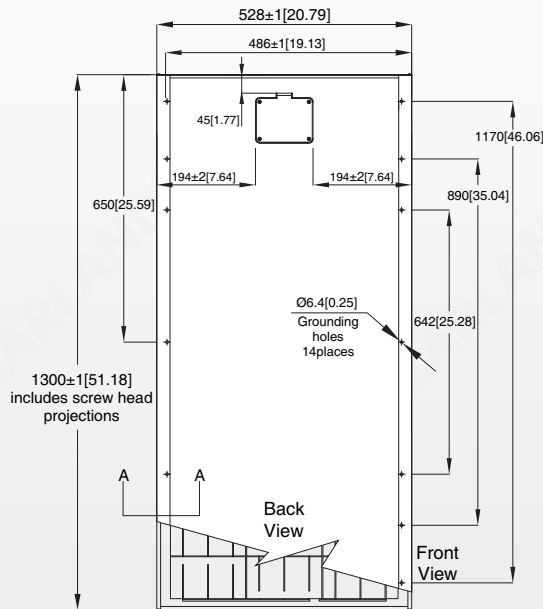


Electrical Characteristics	SLP090-12M
Product code	090011218
Maximum power (Pmax)	90W
Voltage at Pmax (Vmp)	17.2V
Current at Pmax (Imp)	5.23A
Open-circuit voltage (Voc)	21.6V
Short-circuit current (Isc)	5.81A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/°C
Temperature coefficient of power	-(0.5±0.05)%/°C
NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	± 5%

\*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

\*NOCT: Nominal operating cell temperature (the data is only for reference)

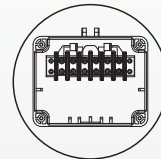
### Module Diagram



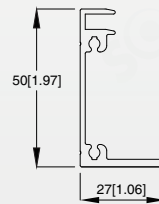
Dimensions in brackets are in inches.

Un-bracketed dimensions are in millimeters.

Unit: mm[.in.]



Junction Box  
Top View(Lid Open)

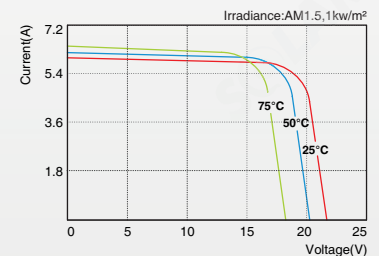


Section A-A

### Features

- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Rugged design to withstand high wind pressure, hail and snow load.
- Aesthetic appearance.

### Characteristics



SLP090-12M I-V Curves

### Specifications

### SLP090-12M

Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(3X12)
Module dimension	1300mm[51.18in.]x528mm[20.79in.]x50mm[1.97in.]
Weight	8.90kg[19.62lbs]
Packing information(Carton)	1345mm[52.95in.]x575mm[22.64in.]x85mm[3.35in.]/(1pc/ctn)

\*Limited warranty: 5-year limited warranty of materials and workmanship; 10-year limited warranty of 90% power output; 25-year limited warranty of 80% power output. For detail, please contact us.

\*Specifications are subject to change without notice at any time.