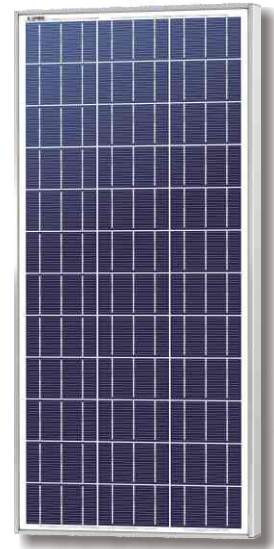


# SLP090-12 (CLASS 1 DIVISION 2)

## High Efficiency Multicrystalline PV Module



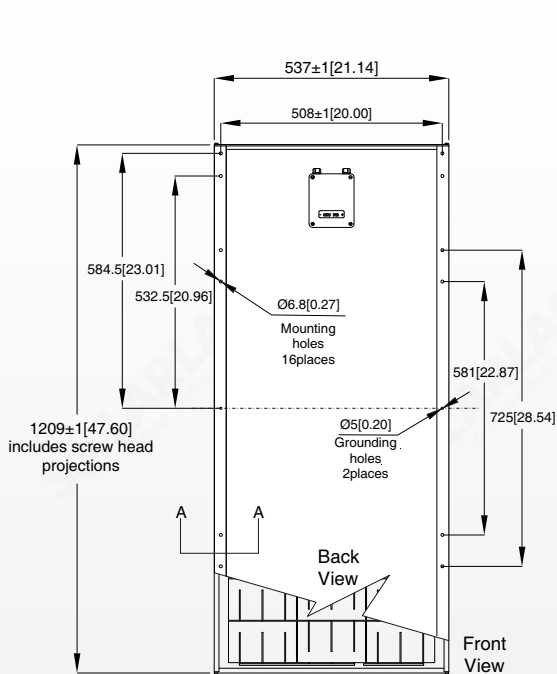
Certified to UL1703 and cUL1703  
Certified for Hazardous Environments  
C1D2 - Class 1, Division 2



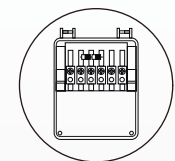
Electrical Characteristics	SLP090-12
Product code	090011234
Maximum power (Pmax)	90W
Voltage at Pmax (Vmp)	17.6V
Current at Pmax (Imp)	5.11A
Open-circuit voltage (Voc)	21.8V
Short-circuit current (Isc)	5.51A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/ °C
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	600V 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)

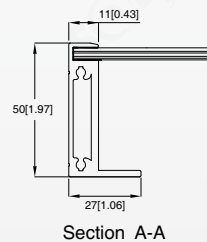
### Module Diagram



Dimensions in brackets are in inches.  
Un-bracketed dimensions are in millimeters.  
Unit: mm[in.]



Junction Box  
Top View (Lid Open)

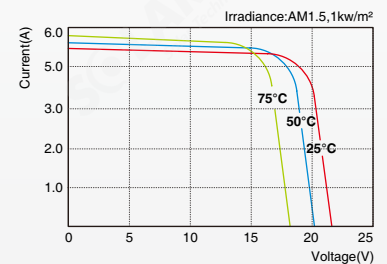


Section A-A

### 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



SLP090-12 I-V Curves

Specifications	SLP090-12
Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(3X12)
Module dimension	1209mm[47.60in.],x537mm[21.14in.],x50mm[1.97in.]
Weight	8.9kg[19.62lbs]
Packing information(Carton)	1255mm[49.41in.],x580mm[28.83in.],x135mm[5.31in.]/(2pcs/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.