

# SLP090-12C1D2

High Efficiency Multicrystalline PV Module



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

Electrical Characteristics	SLP090-12C1D2
Product code	090011264
Maximum power (Pmax)	90W
Voltage at Pmax (Vmp)	18.64V
Current at Pmax (Imp)	4.83A
Open-circuit voltage (Voc)	22.18V
Short-circuit current (Isc)	5.12A
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%

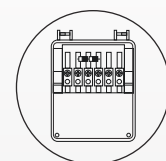
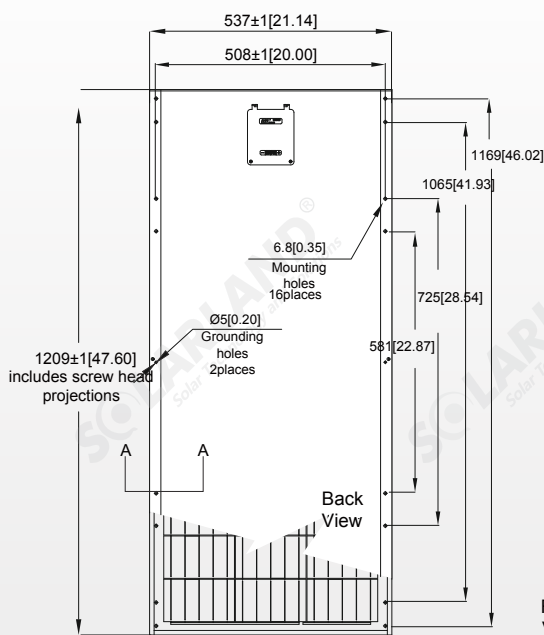
\*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

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

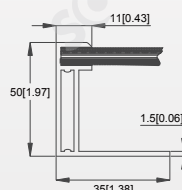


## Module Diagram

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



Junction Box  
Top View(Lid Open)

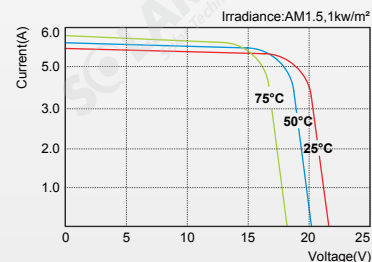


Section A-A

## 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



SLP090-12C1D2 I-V Curves

Specifications	SLP090-12C1D2
Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(3X12)
Module dimension	1209mm[47.60in.]x537mm[21.14in.]x50mm[1.97in.]
Weight	8.0kg[17.42lbs]
Packing information(Carton)	1255mm[49.41in.]x580mm[22.83in.]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.