

SLP290-24

High Efficiency Multicrystalline PV Module

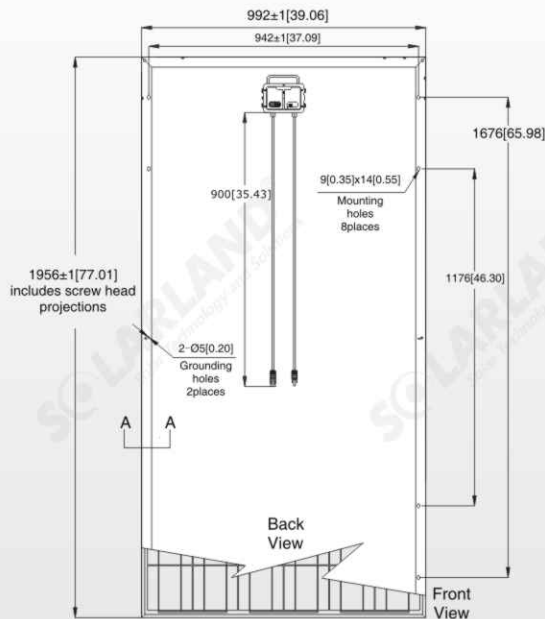


Electrical Characteristics	SLP290-24
Product code	290012422
Maximum power (Pmax)	290W
Voltage at Pmax (Vmp)	36.5V
Current at Pmax (Imp)	7.94A
Open-circuit voltage (Voc)	44.0V
Short-circuit current (Isc)	8.59A
Temperature coefficient of Voc	-(80±10)mV/°C
Temperature coefficient of Isc	(0.065±0.015)%/°C
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	± 3%

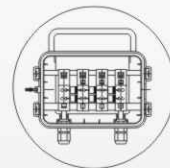
*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

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

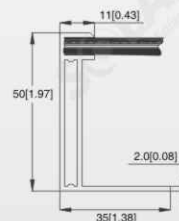
Module Diagram



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



Junction Box
Top View(Lid Open)

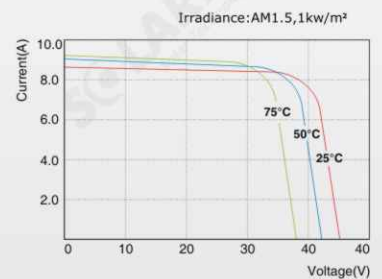


Section A-A

Features

- Nominal 24V 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



SLP290-24 I-V Curves

Specifications	SLP290-24
Cells	Polycrystalline silicon solar cell
No. of cells and connections	72(6X12)
Module dimension	1956mm[77.01in.]x992mm[39.06in.]x50mm[1.97in.]
Weight	23.7kg[52.25lbs]
Packing information(Carton)	1995mm[78.54in.]x1030mm[40.55in.]x115mm[4.53in.](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.