

# SLP085-12

## High Efficiency Multicrystalline PV Module

Electrical Characteristics	SLP085-12
Product code	085011202
Maximum power (Pmax)	85W
Voltage at Pmax (Vmp)	17.4V
Current at Pmax (Imp)	4.85A
Open-circuit voltage (Voc)	21.5V
Short-circuit current (Isc)	5.33A
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	+10%/- 5%

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

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

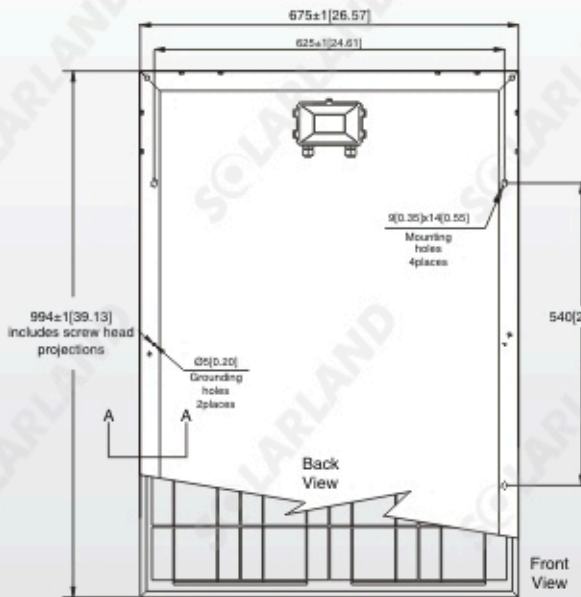


### Module Diagram

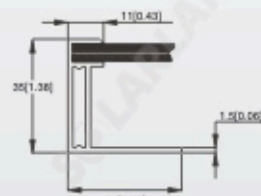
Dimensions in brackets are in inches.

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



SLP085-12 I-V Curves

Specifications	SLP085-12
Cells	Polycrystalline silicon solar cell
No. of cells and connections	36(4X9)
Module dimension	994mm[39.13in.]x675mm[26.57in.]x35mm[1.38in.]
Weight	8.4kg[18.52lbs]
Packing information(Carton)	1040mm[40.94in.]x720mm[28.35in.]x105mm[4.13in.]/(2pcs/carton)

\*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.