

# SLP085S-12

## High Efficiency Monocrystalline PV Module

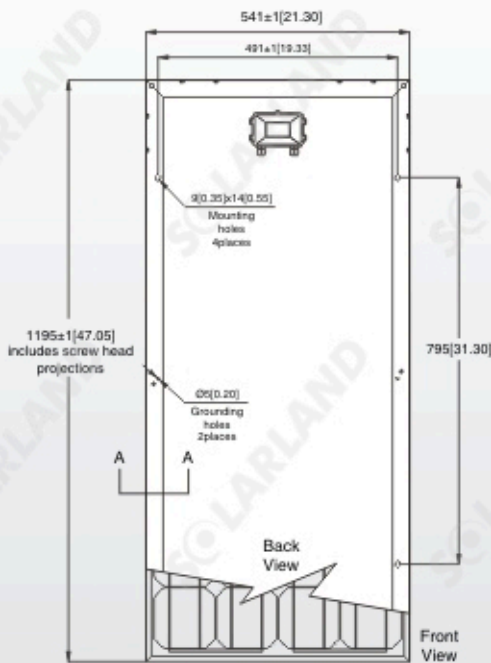
Electrical Characteristics	SLP085S-12
Product code	085021202
Maximum power (Pmax)	85W
Voltage at Pmax (Vmp)	17.4V
Current at Pmax (Imp)	4.88A
Open-circuit voltage (Voc)	21.5V
Short-circuit current (Isc)	5.24A
Temperature coefficient of Voc	- $(80 \pm 10)$ mV/°C
Temperature coefficient of Isc	$(0.065 \pm 0.015)$ %/°C
Temperature coefficient of power	- $(0.5 \pm 0.05)$ %/°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)



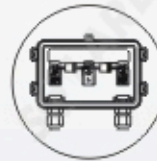
### Module Diagram



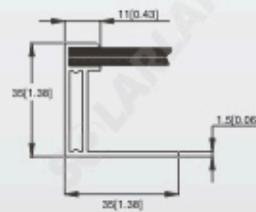
Dimensions in brackets are in inches.

Un-bracketed dimensions are in millimeters.

Unit: mm[in.]



Junction Box  
Top View (Lid Open)



Section A-A

### Features

- Nominal 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



SLP085S-12 I-V Curves

Specifications	SLP085S-12
Cells	Monocrystalline silicon solar cell
No. of cells and connections	36(4X9)
Module dimension	1195mm[47.05in.]x541mm[21.30in.]x35mm[1.38in.]
Weight	8.4kg[18.52lbs]
Packing information(Carton)	1240mm[48.82in.]x585mm[23.03in.]x105mm[4.13in.]/(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.