

# SLP040S/045S-12

High Efficiency Monocrystalline PV Module

Electrical Characteristics	SLP040S-12	SLP045S-12
Product code	040021201	045021201
Maximum power (Pmax)	40W	45W
Voltage at Pmax (Vmp)	17.2V	17.2V
Current at Pmax (Imp)	2.32A	2.62A
Open-circuit voltage (Voc)	21.6V	21.6V
Short-circuit current (Isc)	2.57A	2.91A
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	±5%	

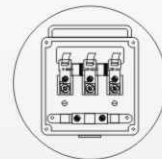
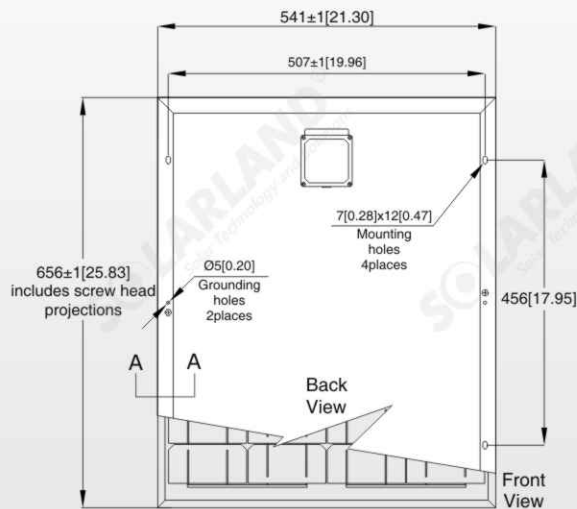
\*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

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

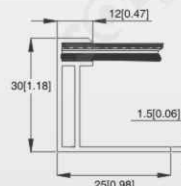


## Module Diagram

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



Junction Box  
Top View(Lid Open)

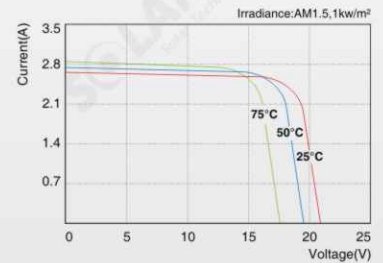


Section A-A

## 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



SLP040S-12 I-V Curves

Specifications	SLP040S/045S-12
Cells	Monocrystalline silicon solar cell
No. of cells and connections	36(4X9)
Module dimension	656mm[25.83in.]x541mm[21.30in.]x30mm[1.18in.]
Weight	4.5kg[9.92lbs]
Packing information(Carton)	670mm[26.38in.]x195mm[7.68in.]x560mm[22.05in.]/(5pcs/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.