



High Efficiency, High Quality PV Module.

**SP120-12/ SP125-12**

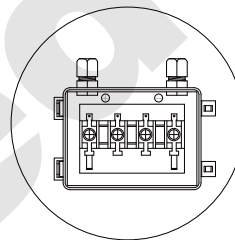
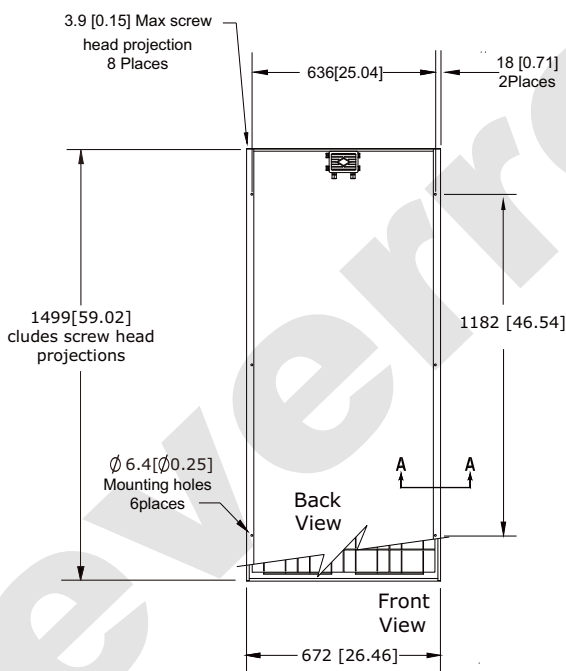
Electrical Characteristics	SP120-12	SP125-12
Maximum power (Pmax)	120W	125W
Voltage at Pmax (Vmp)	17.2V	17.2V
Current at Pmax (Imp)	6.98A	7.27
Open-circuit voltage (Voc)	21.6V	21.6V
Short-circuit current (Isc)	7.72A	8.09A
Temperature coefficient of Voc	(0.065±0.015)%/ °C	(0.065±0.015)%/ °C
Temperature coefficient of Isc	-(80±10)mV/°C	-(80±10)mV/°C
Temperature coefficient of power	-(0.5±0.05)%/ °C	-(0.5±0.05)%/ °C
NOCT (Air 20°C; Sun 0.8kW/m wind 1m/s)	47±2°C	47±2°C
Operating temperature	-40°C to 85°C	-40°C to 85°C
Maximum system voltage	600V DC	600V DC
Power tolerance	± 5%	± 5%

\*STC: Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

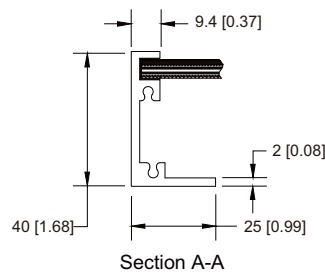


**Module Diagram**

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



Junction Box  
Top View (Lid open)

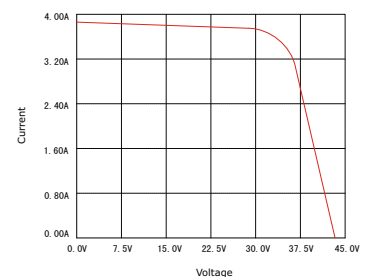


Section A-A

**Features**

- Nominal 24V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Cells are laminated with TPT and EVA ensuring longer life and maximum performance.
- Rugged design to withstand high wind pressure, hail and snow load.
- Aesthetic appearance.
- 25 years limited power output warranty.
- Custom design capabilities allow us to meet unique customer demands.

**Characteristics**



Module IV Graph 120W

**Specifications**

	SP120-12	SP125-12
Cells	Multicrystalline silicon solar cell	Multicrystalline silicon solar cell
No. of cells and connections	72(4X18)	72(4X18)
Module Dimension	1499mm[59.02in.].x672mm[26.46in.].x40mm[1.58in.]	1562mm[61.50in.].x672mm[26.46in.].x40mm[1.58in.]
Weight	11.65kg[25.68lbs]	12.0kg[26.46lbs]

\* Specifications are subject to change without notice at any time.