



**SLP50-12/ SLP55-12**

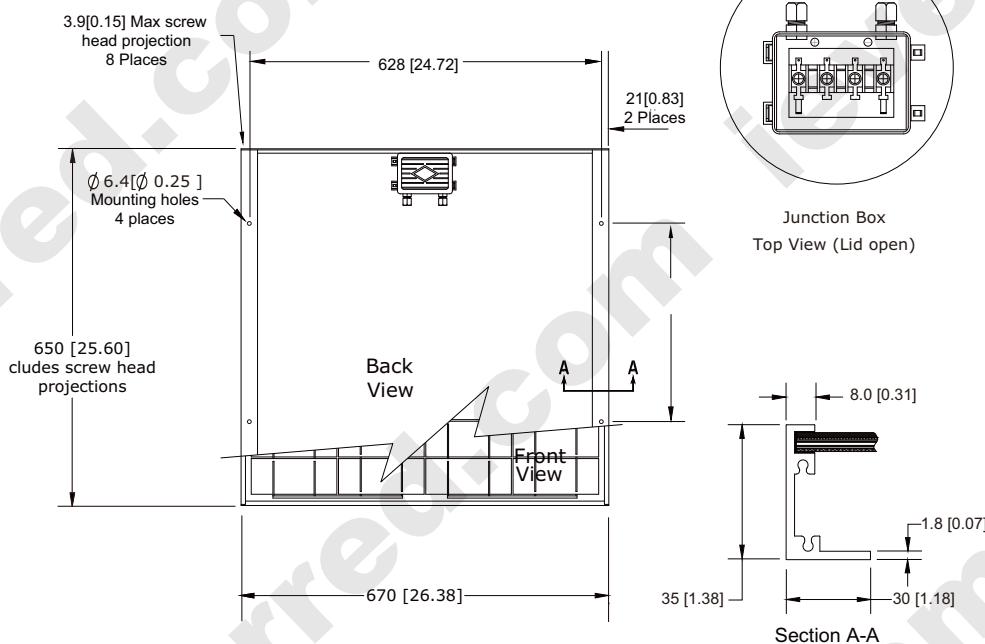
| Electrical Characteristics                     | SLP50-12           | SLP55-12           |
|--|--------------------|--------------------|
| Maximum power (P <sub>max</sub> )              | 50W                | 55W                |
| Voltage at P <sub>max</sub> (V <sub>mp</sub> ) | 17.2V              | 17.2V              |
| Current at P <sub>max</sub> (I <sub>mp</sub> ) | 2.91A              | 3.20A              |
| Open-circuit voltage (V <sub>oc</sub> )        | 21.6V              | 21.6V              |
| Short-circuit current (I <sub>sc</sub> )       | 3.23A              | 3.56A              |
| Temperature coefficient of V <sub>oc</sub>     | (0.065±0.015)%/ °C | (0.065±0.015)%/ °C |
| Temperature coefficient of I <sub>sc</sub>     | -(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**

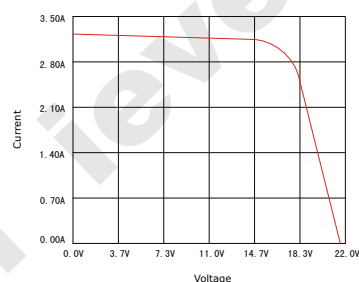
Dimensions in brackets are in inches.  
Un-bracketed dimensions are in millimeters.  
Unit:mm[in.]



**Features**

- Nominal 12V 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**



**Specifications**

|                              | SLP50-12                                      | SLP55-12                                      |
|------------------------------|---|---|
| Cells                        | Multicrystalline silicon solar cell           | Multicrystalline silicon solar cell           |
| No. of cells and connections | 36(4X9)                                       | 36(4X9)                                       |
| Module Dimension             | 650mm[25.60in.]x670mm[26.38in.]x35mm[1.38in.] | 706mm[27.80in.]x670mm[26.38in.]x35mm[1.38in.] |
| Weight                       | 5.2kg[11.46lbs]                               | 5.7kg[12.57lbs]                               |

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