

# SLP003-12

## High Efficiency Multicrystalline PV Module

| Electrical Characteristics                          | SLP003-12                               |
|---|---|
| Product code  | 003011201                               |
| Maximum power (Pmax)                                | 3W                                      |
| Voltage at Pmax (Vmp)                               | 17.0V                                   |
| Current at Pmax (Imp)                               | 0.18A                                   |
| Open-circuit voltage (Voc)                          | 21.6V                                   |
| Short-circuit current (Isc)                         | 0.21A                                   |
| Temperature coefficient of Voc                      | $-(80 \pm 10) \text{mV}/^\circ\text{C}$ |
| Temperature coefficient of Isc                      | $(0.065 \pm 0.015)\% / ^\circ\text{C}$  |
| Temperature coefficient of power                    | $-(0.5 \pm 0.05)\% / ^\circ\text{C}$    |
| NOCT (Air 20°C; Sun 0.8kW/m <sup>2</sup> 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/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

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

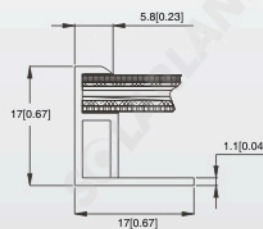
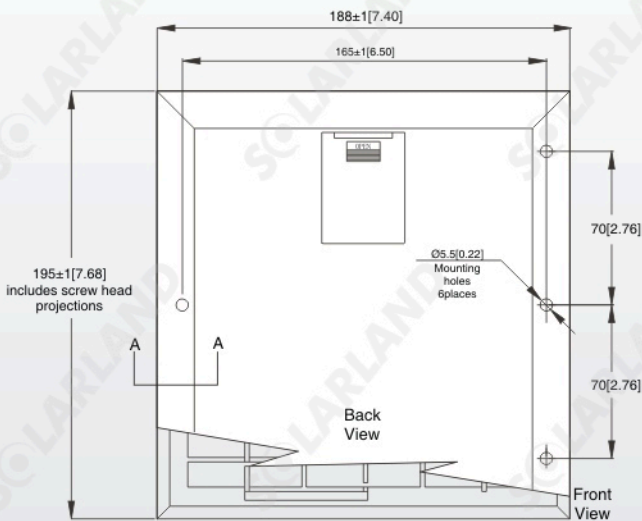


### Module Diagram

Dimensions in brackets are in inches.

Un-bracketed dimensions are in millimeters.

Unit: mm[in.]

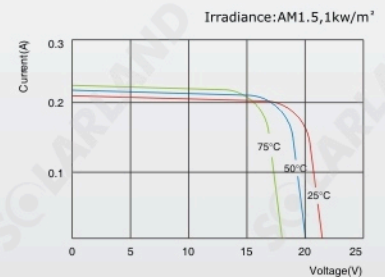


Section A-A

### 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



SLP003-12 I-V Curves

| Specifications                 | SLP003-12   |
|--------------------------------|---|
| Cells                          | Polycrystalline silicon solar cell                        |
| No. of cells and connections   | 36(3X12)  |
| Module dimension               | 195mm[7.68in.]x188mm[7.40in.]x17mm[0.67in.]               |
| Weight                         | 0.5kg[1.10lbs]  |
| Packing information(Inner box) | 205mm[8.07in.]x200mm[7.87in.]x25mm[0.98in.]               |
| Packing information(Carton)    | 310mm[12.20in.]x225mm[8.86in.]x225mm[8.86in.]/(10pcs/ctn) |

\*Limited warranty: 2-year limited warranty of materials and workmanship; 10-year limited warranty of 90% power output. For detail, please contact us.

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