# SPP230 230W Photovoltaic Panel

## Performance

| | |
|---|---|
| Current at Pmax (Imp) | 7.55A |
| Short-circuit current (Isc) | 8.11A |

## Electrical Characteristics

| | |
|---|---|
| Voltage at Pmax (Vmp) | 30.45V |
| Current at Pmax (Imp) | 7.55A |
| Short-circuit current (Isc) | 8.11A |
| Open-circuit voltage (Voc) | 37.08V |
| Temperature coefficient of Isc | 0.0700%/ºC |
| Temperature coefficient of Voc | -0.3600%/ºC |
| Temperature coefficient of power | -0.4500%/ºC |
| NOCT | 45ºC |
| Maximum series fuse rating | 15A |
| Maximum system voltage | 1000V |

## Mechanical Characteristics

| | |
|---|---|
| Dimensions | Length: 1652mm Width: 992mm Depth:50mm Weight: 35.5kg |
| Solar Cells | 60 cells (156mmx156mm) 10x6 matrix, series connected |
| Junction Box | Junction box with 4-terminal connection block ; IP65 Fittings accept 4mm dia. cable |
| Diodes | Three by-pass diode included |
| Construction | Front: high-transmission 3.2mm tempered glass Back: white polyester Encapsulant: EVA |
| Frame | Clear anodized aluminum alloy (silver) |

## Multicrystalline 230W PV Module

1. Module Warranty: 25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output; 5-year limited warranty of materials and workmanship
2. This data represents the performance of a typical SPP PV module and is based on measurements made in accordance with STC

**Solar Panels Plus, LLC • 533 Byron St, Suite E • Chesapeake, VA 23320**
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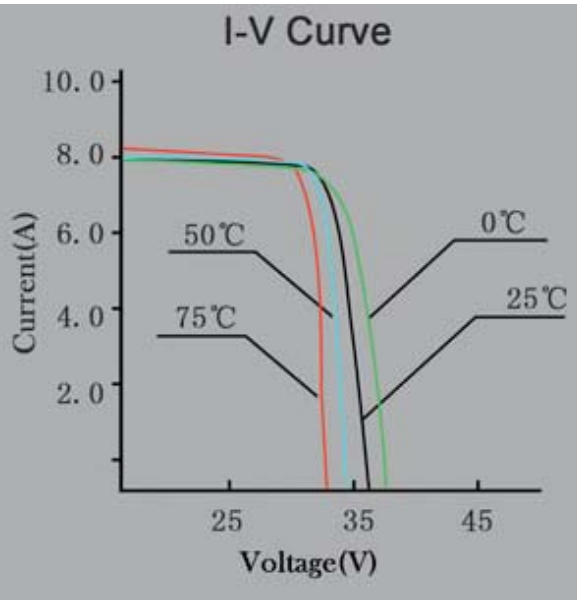
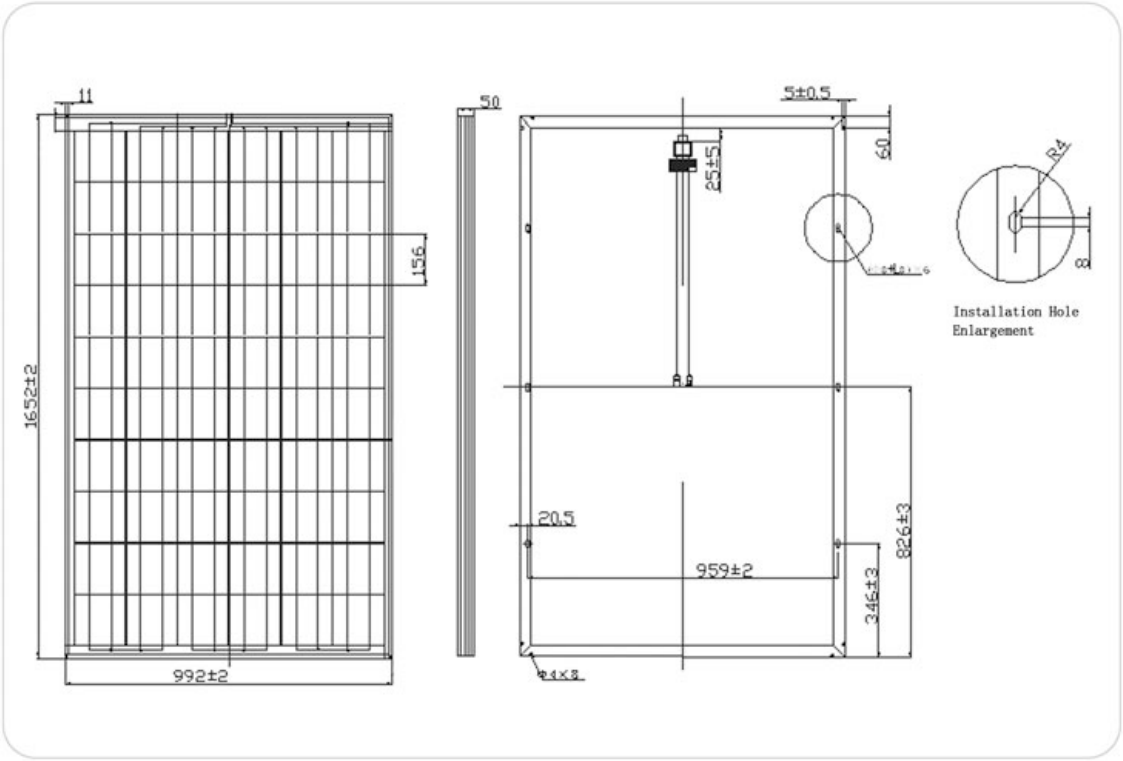
## Qualification Test Parameters

| | |
|---|---|
| Temperature cycling range | -40℃ to +85℃ |
| Humidity freeze, damp heat | 85%RH |
| Static load front and back | 2400 pascals |
| Front loading (e.g.snow) | 5400 pascals |
| Hailstone impact | 25mm at 23m/s |




Module Diagram Dimensions are in millimeters.

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