HyPro

STP330S - 21/Wfh
STP325S - 21/Wfh
STP320S - 21/Wfh

330 Watt
MONO HALF CELL SOLAR MODULE

Features

- High power output
  Compared to normal module, the power output can increase 5W-10W

- High PID resistant
  Advanced cell technology and qualified materials lead to high resistance to PID

- Excellent weak light performance
  More power output in weak light condition, such as haze, cloudy, and morning

- lower hot spots
  Reduce the hot spots and minimize panel degradation

- Extended load tests
  Module certified to withstand front side maximum static test load (5400 Pascal) and rear side maximum static test loads (3800 Pascal) *

- High system voltage compatible
  Maximum 1500 V DC system voltage reduces total system cost

Trust Suntech to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, IEC 62716, DIN EN 60068-2-68)***
- Long-term reliability tests
- 2 x 100% EL inspection ensuring defect-free modules

Special Cell Design

- The unique cell design leads to reduced electrodes resistance and smaller current, thus enables higher fill factor. Meanwhile, it can reduce losses of mismatch and cell wear, and increase total reflection.

Industry-leading Warranty based on nominal power

- 97% in the first year, thereafter, for years two (2) through twenty-five (25), 0.7% maximum decrease from module’s nominal power output per year, ending with the 80.2% in the 25th year after the defined warranty starting date.***
- 12-year product warranty plus 3-year extended warranty (through SolarAU Distribution^)
- 25-year linear performance warranty

IP68 Rated Junction Box

- The Suntech IP68 rated junction box ensures an outstanding waterproof level, supports installations in all orientations and reduces stress on the cables. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

* Please refer to Suntech Standard Module Installation Manual for details.
** WEEE only for EU market.
^ Subject to SolarAU terms and conditions of supply.
### Electrical Characteristics

<table>
<thead>
<tr>
<th>STC</th>
<th>STP330S-21/ Wfh</th>
<th>STP325S-21/ Wfh</th>
<th>STP320S-21/ Wfh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Power at STC (Pmax)</td>
<td>330 W</td>
<td>325 W</td>
<td>320 W</td>
</tr>
<tr>
<td>Optimum Operating Voltage (Vmp)</td>
<td>34.7 V</td>
<td>34.5 V</td>
<td>34.3 V</td>
</tr>
<tr>
<td>Optimum Operating Current (Imp)</td>
<td>9.53 A</td>
<td>9.43 A</td>
<td>9.34 A</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc)</td>
<td>41.9 V</td>
<td>41.7 V</td>
<td>41.5 V</td>
</tr>
<tr>
<td>Short Circuit Current (Isc)</td>
<td>9.95 A</td>
<td>9.87 A</td>
<td>9.80 A</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>19.0%</td>
<td>18.7%</td>
<td>18.4%</td>
</tr>
<tr>
<td>Operating Module Temperature</td>
<td>-40°C to +85°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum System Voltage</td>
<td>1500 V DC (IEC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>20 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>0/+5 W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Temperature Characteristics

- **Nominal Module Operating Temperature (NMOT):** 42±2°C
- **Temperature Coefficient of Pmax:** -0.37%/°C
- **Temperature Coefficient of Voc:** -0.34%/°C
- **Temperature Coefficient of Isc:** 0.060%/°C

### Mechanical Characteristics

- **Solar Cell:** Monocrystalline silicon 6 inches
- **No. of Cells:** 126 (6 x 21)
- **Dimensions:** 1750 x 992 x 35 mm (68.9 x 39.1 x 1.4 inches)
- **Weight:** 19.4 kgs (42.8 lbs.)
- **Front Glass:** 3.2 mm (0.13 inches) tempered glass
- **Frame:** Anodized aluminium alloy
- **Junction Box:** IP68 rated (3 bypass diodes)
- **Output Cables:** 4.0 mm² (0.006 inches²), symmetrical lengths (-) 1200mm (47.24 inches) and (+) 1200 mm (47.24 inches)
- **Connectors:** Genuine MC4

### Packing Configuration

- **Container:** 40' HC
- **Pieces per pallet:** 30
- **Pallets per container:** 20
- **Pieces per container:** 780

---

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50530. Color differences of the modules relative to the figures as well as dissipations of the modules which do not impact their proper functioning are possible and do not constitute a deviation from the specification.

*www.suntech-power.com*  
IEC-STP-Wfh-NO2.01-Rev 2019 ©Copyright 2019 Suntech Power