200 Watt
POLY-CRYSTALLINE SOLAR PANEL

Features
- High conversion efficiency based on leading innovative photovoltaic technologies
- High reliability with guaranteed ±3% power output tolerance, ensuring return on investment
- Withstands high wind-pressure and snow load (passed IEC 5400Pa mechanical loading test), and extreme temperature variations

Quality and Safety
- 25-year power output transferable warranty
- Rigorous quality control meeting the highest international standards
- ISO 9001:2000 (Quality Management System) and ISO 14001:2004 (Environmental Management System) certified factories manufacturing world class products
- IEC61215, IEC61730, conformity to CE

Recommended Applications
- On-grid utility systems
- On-grid commercial systems
- Off-grid ground mounted systems

Unique Suntech Back Surface Field (BSF) structure and anti-reflective coating increase cell conversion efficiency

Thermal isolation between the lamination and latest designed J-box improves panel performance stability. The new J-box also provides perfect interconnection between modules and inverters to ensure the fully utilization of module power output

Special design on drainage holes and rigid construction prevents frame from deforming or breaking due to freezing weather and other forces

Advanced cell texturing and passivation processes improve module low light irradiance performance and provide more field power output

Suntech was named Frost and Sullivan's 2008 Solar Energy Development Company of the Year
SUNTECH
Solar powering a green future™

Electrical Characteristics

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>STP210-18/Ud</th>
<th>STP200-18/Ud</th>
<th>STP190-18/Ud</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open - Circuit Voltage (Voc)</td>
<td>33.6V</td>
<td>33.4V</td>
<td>33.0V</td>
</tr>
<tr>
<td>Optimum Operating Voltage (Vmp)</td>
<td>26.4V</td>
<td>26.2V</td>
<td>26.0V</td>
</tr>
<tr>
<td>Short - Circuit Current (Isc)</td>
<td>8.33A</td>
<td>8.12A</td>
<td>7.89A</td>
</tr>
<tr>
<td>Optimum Operating Current (Imp)</td>
<td>7.95A</td>
<td>7.63A</td>
<td>7.31A</td>
</tr>
<tr>
<td>Maximum Power at STC (Pmax)</td>
<td>210Wp</td>
<td>200Wp</td>
<td>190Wp</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +85°C</td>
<td>-40°C to +85°C</td>
<td>-40°C to +85°C</td>
</tr>
<tr>
<td>Maximum System Voltage</td>
<td>1000V DC</td>
<td>1000V DC</td>
<td>1000V DC</td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>20A</td>
<td>20A</td>
<td>20A</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>±3 %</td>
<td>±3 %</td>
<td>±3 %</td>
</tr>
</tbody>
</table>

STC: Irradiance 1000W/m², Module temperature 25°C, AM=1.5

Mechanical Characteristics

- Solar Cell: Poly-crystalline 156×156mm (6inch)
- No. of Cells: 54 (6×9)
- Dimensions: 1482×992×35mm (58.3×39.1×1.4inch)
- Weight: 16.8kg (37.0lbs.)
- Front Glass: 3.2 mm (0.13inch) tempered glass
- Frame: Anodized aluminium alloy
- Junction Box: IP67 rated
- Output Cables: H+S RADOX® SMART cable 4.0mm² (0.006inch²), symmetrical lengths (-) 1000mm (39.4inch) and (+) 1000mm (39.4inch), RADOX® SOLAR integrated twist locking connectors

Temperature Coefficients

- Nominal Operating Cell Temperature (NOCT): 45±2°C
- Temperature Coefficient of Pmax: -0.47 %/°C
- Temperature Coefficient of Voc: -0.34 %/°C
- Temperature Coefficient of Isc: 0.045 %/°C

Current-Voltage & Power-Voltage Curve (200W)

Temperature Dependence of Isc, Voc, Pmax

Specifications are subjected to change without further notice

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