255 ~ 270 Watt

Continuously manufacturing PV modules since 1991, S-Energy is one of the most experienced module makers in the industry. More than 20 years of operating data support S-Energy’s reputation as the best overall quality, performance, and value for solar investors. The cutting-edge SN-series leads the industry again in advanced design, construction, and performance. The SN-series is the ideal module for any system size in any given environment. With the quality to last the lifetime of the PV system, S-Energy’s SN-series provides the confidence and assurance to each and every one of our customers.

Features

**ENHANCED EXTERNAL LOAD / IMPACT**
- Snow Load: 5,400 Pa (30T) / 8,400 Pa (40T)
- Wind Load: 2,400 Pa (30T) / 5,400 Pa (40T)
- Hail Impact: 30.7m/s (speed ball)

**POWER ADVANTAGE**
- 25-year, linear power warranty
- >97.5% nominal power during 1st year
- Positive tolerance up to +5W

**PID RESISTANCE**
- Enhanced potential induced degradation

**FIRE SAFETY**
- UL1703 Fire Classification: Type 1, Type 2

**ENVIRONMENT RESISTANCE**
- Suitable for extreme conditions
- Resistant to high salt mist and ammonia (certified by TÜV Rheinland)

**AVAILABLE IN TWO THICKNESSES**
- Standard (30T) and 40T for more durability

Qualifications & Certifications
IEC 61215 & 61730, UL 1703, ISO 9001, ISO 14001, OHSAS 18001, WEEE

Mechanical Characteristics
- Solar Cells: Polycrystalline 156 x 156mm (6 inches)
- Number of Cells: 60 Cells, 6 x 10 matrix
- Dimensions: 1,650 x 990 x 30mm (30T) / 1,650 x 990 x 40mm (40T)
- Weight: 17kg (37.48 lbs)
- Front Glass: High-Transmittance Low Iron Tempered Glass
- Frame: Anodized Aluminum Frame (Silver / Black)
- Output Cables: PV Wire (PV1-F), 12AWG (4mm²), Cable Length: 1,000mm
- Connectors: MC4 Connectable

Warranty
- Product Warranty: 10-year Limited Product Warranty
- Performance Warranty:
  - Minimum Power Output for Year 1: 97.5%
  - Maximum Power Decline from Year 2 to 24: 0.7%
  - Power Output at year 25: 80.7%
**Electrical Characteristics**

<table>
<thead>
<tr>
<th>STC (Irradiance 1,000W/m², module temperature 25°C, AM1.5)</th>
<th>SN255P-10</th>
<th>SN260P-10</th>
<th>SN265P-10</th>
<th>SN270P-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power (P_{max})</td>
<td>255W</td>
<td>260W</td>
<td>265W</td>
<td>270W</td>
</tr>
<tr>
<td>Voltage at P_{max} (V_{mp})</td>
<td>30.0V</td>
<td>30.2V</td>
<td>30.7V</td>
<td>30.9V</td>
</tr>
<tr>
<td>Current at P_{max} (I_{mp})</td>
<td>8.50A</td>
<td>8.60A</td>
<td>8.64A</td>
<td>8.72A</td>
</tr>
<tr>
<td>Warranted Minimum P_{max}</td>
<td>255W</td>
<td>260W</td>
<td>265W</td>
<td>270W</td>
</tr>
<tr>
<td>Short-Circuit Current (I_{sc})</td>
<td>8.93A</td>
<td>8.98A</td>
<td>9.04A</td>
<td>9.10A</td>
</tr>
<tr>
<td>Open-Circuit Voltage (V_{oc})</td>
<td>37.6V</td>
<td>38.0V</td>
<td>38.1V</td>
<td>38.3V</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>15.61%</td>
<td>15.92%</td>
<td>16.22%</td>
<td>16.53%</td>
</tr>
<tr>
<td>Operating Module Temperature</td>
<td>-40°C to +85°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum System Voltage</td>
<td>1,000V(IEC) / 1,000V(UL)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Series Fuse Rating</td>
<td>15A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Reverse Current</td>
<td>20.25A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>0 – +5 W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Temperature Characteristics**

- Temperature coefficient of I_{sc} : 0.056 % / °C
- Temperature coefficient of V_{oc} : -0.301 % / °C
- Temperature coefficient of power : -0.398 % / °C
- NOCT (T_{st} 20°C ; Irradiance 800W/m² ; Wind 1m/s) : 45±2°C

**Packing Configuration**

<table>
<thead>
<tr>
<th>30T</th>
<th>40T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Container</td>
<td>40' DRY</td>
</tr>
<tr>
<td>Modules Per Pallet</td>
<td>25pcs</td>
</tr>
<tr>
<td>Pallets Per Container</td>
<td>26pallets</td>
</tr>
<tr>
<td>Modules Per Container</td>
<td>650pcs</td>
</tr>
</tbody>
</table>

**Remarks**

- P_{max} measurement tolerance : ±2.5%
- S-Energy uses triple AAA class simulator.
- Specification subject to change without prior notice. S-Energy reserves the rights of final interpretation.

Document: SN 60 cell(255~270)_4BB_UL&TUV_1000_EN_2016.10