CSUN325-72P
The Large Scale Project Solution

16.78%
Module efficiency

325W
Highest power output

10 years
Material & Workmanship warranty

25 years
Liner power output warranty

- PID-free
- World class poly efficiency
- Tighter product performance distribution and current sorting reduces the mismatch power loss in system operation
- Positive tolerance offer
- Good temperature coefficient enables higher output in high temperature regions
- Excellent performance under low light conditions
- Certified for salt/ammonia corrosion resistance
- Load certificates: wind to 2400Pa and snow to 5400Pa

China Sunergy Co., Ltd. designs, manufactures and delivers high efficient solar cells and modules to the world from its production centers based in China, Turkey, South Korea and Vietnam.

Founded in 2004, China Sunergy is well known for its advanced solar cell technology, reliable product quality, and excellent customer service.

As one of leading PV enterprises, China Sunergy has delivered more than 4.0GW of solar products to residential, commercial, utility and off-grid projects all around the world.

Note:
All specifications, warranties, certifications about module of “CSUN” series also apply to that of “SST”.
All information and data are subject to change without notice.
Right 2017
Electrical characteristics at Standard Test Conditions (STC)

<table>
<thead>
<tr>
<th>Module Type</th>
<th>CSUN325-72P</th>
<th>CSUN320-72P</th>
<th>CSUN315-72P</th>
<th>CSUN310-72P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power - Pmax (W)</td>
<td>325</td>
<td>320</td>
<td>315</td>
<td>310</td>
</tr>
<tr>
<td>Open Circuit Voltage - Voc (V)</td>
<td>46</td>
<td>45.9</td>
<td>45.7</td>
<td>45.6</td>
</tr>
<tr>
<td>Short Circuit Current - Isc (A)</td>
<td>9.19</td>
<td>9.1</td>
<td>9.01</td>
<td>8.91</td>
</tr>
<tr>
<td>Maximum Power Voltage - Vmpp (V)</td>
<td>37.6</td>
<td>37.5</td>
<td>37.1</td>
<td>37</td>
</tr>
<tr>
<td>Maximum Power Current - Imp (A)</td>
<td>8.66</td>
<td>8.57</td>
<td>8.48</td>
<td>8.39</td>
</tr>
<tr>
<td>Module Efficiency</td>
<td>16.78%</td>
<td>16.53%</td>
<td>16.27%</td>
<td>16.01%</td>
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</tbody>
</table>

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Tolerance of Pmpp: 0~+3%.

Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

<table>
<thead>
<tr>
<th>Module Type</th>
<th>CSUN325-72P</th>
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<th>CSUN315-72P</th>
<th>CSUN310-72P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Power - Pmax (W)</td>
<td>239</td>
<td>234</td>
<td>232</td>
<td>228</td>
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<tr>
<td>Open Circuit Voltage - Voc (V)</td>
<td>42.7</td>
<td>42.5</td>
<td>42.3</td>
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<td>Short Circuit Current - Isc (A)</td>
<td>7.42</td>
<td>7.35</td>
<td>7.28</td>
<td>7.2</td>
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<tr>
<td>Maximum Power Voltage - Vmpp (V)</td>
<td>34.9</td>
<td>34.7</td>
<td>34.6</td>
<td>34.4</td>
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<tr>
<td>Maximum Power Current - Imp (A)</td>
<td>6.85</td>
<td>6.76</td>
<td>6.7</td>
<td>6.62</td>
</tr>
</tbody>
</table>

Normal Operating Cell Temperature (NOCT): irradiance 800W/m²; wind speed 1 m/s; cell temperature 45°C; ambient temperature 20°C.

Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.

Temperature Characteristics

<table>
<thead>
<tr>
<th>NOCT</th>
<th>45°C (±2°C)</th>
<th>Maximum System Voltage (V)</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Temperature Coefficient</td>
<td>-0.292%/K</td>
<td>Series Fuse Rating [A]</td>
<td>20</td>
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<tr>
<td>Current Temperature Coefficient</td>
<td>+0.045%/K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Temperature Coefficient</td>
<td>-0.408%/K</td>
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<td></td>
</tr>
</tbody>
</table>

Material Characteristics

- Dimensions: 1956×990×40mm (L×W×H)
- Weight: 22.2 kg
- Frame: Anodized aluminum profile
- Front Glass: White toughened safety glass, 3.2 mm
- Cell Encapsulation: EVA (Ethylene-Vinyl-Acetate)
- Back Sheet: Composite film
- Cells: 6×12 pieces monocrystalline solar cells series strings (156mm×156mm)
- Junction Box: Rated current: 13A, IP: 67, TUV&UL
- Cable & Connector: Length 900 mm, 1×4 mm², compatible film

Packaging

- Dimensions (L×W×H): 1990×1120×112 mm
- Temperature Range: -40°C to +85°C
- Container 20°: 260
- Container 40°: 624
- Container 40° HC: 684

System Design

- Withstanding: Hail
- Maximum: Diameter
- Maximum Surface: 5,400 Pa
- Application: Class A
- Safety: Class II

Dimensions

IV-Curves

(Excellent performance under weak light conditions.)