AXIpower

72 cell polycrystalline, 1000 V
High performance solar module

German engineered – made for America

- 15 years manufacturer’s warranty
  Two more years than industry standard

- Highest performance due to specifically selected technologies and materials

- Positive power tolerance from 0-5 Wp
  Higher guaranteed yield

- Snow load of up to 50 psf
  Stable module for a long life in extreme conditions

- 100% electroluminescence inspection
  Micro crack and hotspot free modules

- High quality junction box and connector system for a longer life time

Exclusive linear AXITEC high performance guarantee!

- 15 years manufacturer’s guarantee on 90% of the nominal performance
- 25 years manufacturer’s guarantee on 85% of the nominal performance

AXITEC Warranty Added Value!

- 100% warranted module performance
- 97% after 25 years

1 - 8% more power after 25 years

(Photovoltaic Module over 600 Volts)
E487509
**AXIpower 320 - 330 Wp**

**Electrical data** (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25°C)

<table>
<thead>
<tr>
<th>Type</th>
<th>Nominal output</th>
<th>Nominal voltage</th>
<th>Nominal current</th>
<th>Short circuit current</th>
<th>Open circuit voltage</th>
<th>Module conversion efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-320P/72S</td>
<td>320 Wp</td>
<td>37.56 V</td>
<td>8.52 A</td>
<td>9.03 A</td>
<td>45.82 V</td>
<td>16.49 %</td>
</tr>
<tr>
<td>AC-325P/72S</td>
<td>325 Wp</td>
<td>37.66 V</td>
<td>8.63 A</td>
<td>9.15 A</td>
<td>45.92 V</td>
<td>16.75 %</td>
</tr>
<tr>
<td>AC-330P/72S</td>
<td>330 Wp</td>
<td>37.80 V</td>
<td>8.73 A</td>
<td>9.28 A</td>
<td>45.97 V</td>
<td>17.01 %</td>
</tr>
</tbody>
</table>

**Design**

Frontside: 0.13 inch (3.2 mm) hardened, low-reflection white glass

Cells: 72 polycrystalline high efficiency cells 6 inch (156 x 156 mm)

Backside: Composite film

Frame: 1.57 inch (40 mm) silver anodized aluminium frame

**Mechanical data**

L x W x H: 77.01 x 39.06 x 1.57 inch (1956 x 992 x 40 mm)

Weight: 50.7 lbs (23 kg) with frame

**Power connection**

Socket: Protection Class IP67 (3 bypass diodes)

Wire: 43.3 inch, AWG 11

Plug-in system: Plug/socket IP67

**Limit values**

System voltage: 1000 VDC (UL) 1000 VDC (IEC)

Module Fire Performance: TYPE 1 (UL 1703) or CLASS C (IEC 61730)

Max. load-carrying capacity: 50 PSF

Reverse current feed IR: 20.0 A

Permissible operating temperature: -40°C to 85°C / -40°F to 185°F

(No external voltages greater than Vo may be applied to the module)

* NOCT, irradiance 800 W/m²; AM 1.5; wind speed 1 m/s; Temperature 20°C

**Temperature coefficients**

Voltage Uoc: -0.30 %/K

Current Isc: 0.04 %/K

Output Pmpp: -0.42 %/K

**Low-light performance** (Example for AC-320P/72S)

<table>
<thead>
<tr>
<th>I-U characteristic curve</th>
<th>Current Ipp</th>
<th>Voltage Upp</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 W/m²</td>
<td>1.80 A</td>
<td>35.97 V</td>
</tr>
<tr>
<td>400 W/m²</td>
<td>3.07 A</td>
<td>35.99 V</td>
</tr>
<tr>
<td>600 W/m²</td>
<td>5.51 A</td>
<td>36.91 V</td>
</tr>
<tr>
<td>800 W/m²</td>
<td>6.95 A</td>
<td>37.32 V</td>
</tr>
<tr>
<td>1000 W/m²</td>
<td>8.58 A</td>
<td>37.39 V</td>
</tr>
</tbody>
</table>

**Packaging**

Module pieces per pallet: 25

Module pieces per HC-container: 600

Technical data are subject to change without prior notice, errors excepted. The measurement tolerances are +/-3%