AXIpower

60 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 113 psf
  Stable module for a long life in extreme conditions

- 100% electroluminescence inspection
  Micro crack and hotspot free modules

- Axitec-Soft-Grip-Seam aluminum frame
  Higher stability and easier handling

- 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
### AXIpower 270 - 275 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-270P/60S</td>
<td>270 Wp</td>
<td>31.26 V</td>
<td>8.64 A</td>
<td>9.15 A</td>
<td>38.31 V</td>
<td>16.60 %</td>
</tr>
<tr>
<td>AC-275P/60S</td>
<td>275 Wp</td>
<td>31.46 V</td>
<td>8.74 A</td>
<td>9.24 A</td>
<td>38.50 V</td>
<td>16.90 %</td>
</tr>
</tbody>
</table>

#### Design

- **Frontside**: 0.13 inch (3.2 mm) hardened, low-reflection white glass
- **Cells**: 60 polycrystalline high efficiency cells 6 inch (156 x 156 mm)
- **Backside**: Composite film
- **Frame**: 1.38 inch (35 mm) silver anodized aluminium frame

#### Mechanical data

- **L x W x H**: 64.57 x 39.06 x 1.38 inch (1640 x 992 x 35 mm)
- **Weight**: 39.68 lbs (18.0 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)
- **NOCT (nominal operating cell temperature)**: 45°C +/-2K
- **Max. load-carrying capacity**: 113 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-270P/60S)

<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>1.79 A</td>
<td>30.02 V</td>
</tr>
<tr>
<td>400 W/m²</td>
<td>3.35 A</td>
<td>30.12 V</td>
</tr>
<tr>
<td>600 W/m²</td>
<td>5.58 A</td>
<td>30.70 V</td>
</tr>
<tr>
<td>800 W/m²</td>
<td>7.03 A</td>
<td>31.03 V</td>
</tr>
<tr>
<td>1000 W/m²</td>
<td>8.64 A</td>
<td>31.26 V</td>
</tr>
</tbody>
</table>

#### Packaging

- **Module pieces per pallet**: 30
- **Module pieces per HC-container**: 840

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