AXIpower

60 cell polycrystalline
High performance photovoltaic module

German engineered – made for America

12 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

AXITEC Warranty Added Value!

1 - 8 % more power after 25 years
### 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 Pmpp</th>
<th>Nominal voltage Umpp</th>
<th>Nominal current Impp</th>
<th>Short circuit current Isc</th>
<th>Open circuit voltage Uoc</th>
<th>Module conversion efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-260P/156-60S</td>
<td>260 Wp</td>
<td>30.92 V</td>
<td>8.43 A</td>
<td>9.01 A</td>
<td>38.00 V</td>
<td>15.98 %</td>
</tr>
<tr>
<td>AC-265P/156-60S</td>
<td>265 Wp</td>
<td>30.98 V</td>
<td>8.60 A</td>
<td>9.20 A</td>
<td>38.16 V</td>
<td>16.29 %</td>
</tr>
<tr>
<td>AC-270P/156-60S</td>
<td>270 Wp</td>
<td>31.12 V</td>
<td>8.71 A</td>
<td>9.25 A</td>
<td>38.21 V</td>
<td>16.60 %</td>
</tr>
<tr>
<td>AC-275P/156-60S</td>
<td>275 Wp</td>
<td>31.25 V</td>
<td>8.83 A</td>
<td>9.32 A</td>
<td>38.29 V</td>
<td>16.90 %</td>
</tr>
<tr>
<td>AC-280P/156-60S</td>
<td>280 Wp</td>
<td>31.48 V</td>
<td>8.90 A</td>
<td>9.37 A</td>
<td>38.61 V</td>
<td>17.21 %</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)
- **NOCT (nominal operating cell temperature)**: 45°C +/-2K
- **Max. load-carrying capacity**: 113 PSF
- **Reverse current feed IR**: 15.0 A
- **Permissible operating temperature**: -40°C to 85°C / -40F to 185F

(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-260P/156-60S)

<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>1.70 A</td>
<td>30.10 V</td>
</tr>
<tr>
<td>400 W/m²</td>
<td>3.42 A</td>
<td>30.15 V</td>
</tr>
<tr>
<td>600 W/m²</td>
<td>5.41 A</td>
<td>30.52 V</td>
</tr>
<tr>
<td>800 W/m²</td>
<td>6.82 A</td>
<td>30.86 V</td>
</tr>
<tr>
<td>1000 W/m²</td>
<td>8.43 A</td>
<td>30.92 V</td>
</tr>
</tbody>
</table>

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

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