AXI premium

72 cell monocrystalline
High performance solar module

German engineered – made for America

- 15 years manufacturer’s warranty
- Five 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!

- 1 - 8 % more power after 25 years

(PV Module over 600 Volts)

E487509
### AXIpremium 350 - 370 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 Pmpp (Wp)</th>
<th>Nominal voltage Umpp (V)</th>
<th>Nominal current Impp (A)</th>
<th>Short circuit current Isc (A)</th>
<th>Open circuit voltage Uoc (V)</th>
<th>Module conversion efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-350M/72S</td>
<td>350</td>
<td>38.34</td>
<td>9.13</td>
<td>9.58</td>
<td>46.89</td>
<td>18.04%</td>
</tr>
<tr>
<td>AC-355M/72S</td>
<td>355</td>
<td>38.63</td>
<td>9.19</td>
<td>9.66</td>
<td>47.16</td>
<td>18.30%</td>
</tr>
<tr>
<td>AC-360M/72S</td>
<td>360</td>
<td>39.01</td>
<td>9.23</td>
<td>9.73</td>
<td>47.44</td>
<td>18.55%</td>
</tr>
<tr>
<td>AC-365M/72S</td>
<td>365</td>
<td>39.38</td>
<td>9.27</td>
<td>9.81</td>
<td>47.67</td>
<td>18.81%</td>
</tr>
<tr>
<td>AC-370M/72S</td>
<td>370</td>
<td>39.67</td>
<td>9.33</td>
<td>9.88</td>
<td>47.90</td>
<td>19.07%</td>
</tr>
</tbody>
</table>

#### Design

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

**Cells**
- 72 monocrystalline high efficiency cells 6 inch (156 x 156 mm)

**Backside**
- Composite film

**Frame**
- 1.57 inch (40 mm) silver 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)
- **NOCT (nominal operating cell temperature)**: 45°C +/-2K
- **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

(Note: 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: -0.40 %/K

#### Low-light performance
(Example for AC-360M/72S)

<table>
<thead>
<tr>
<th>Irradiance (W/m²)</th>
<th>Current Ipp (A)</th>
<th>Voltage Upp (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>2.00</td>
<td>37.55</td>
</tr>
<tr>
<td>400</td>
<td>3.72</td>
<td>37.66</td>
</tr>
<tr>
<td>600</td>
<td>5.60</td>
<td>37.75</td>
</tr>
<tr>
<td>800</td>
<td>7.50</td>
<td>37.88</td>
</tr>
<tr>
<td>1000</td>
<td>9.38</td>
<td>38.45</td>
</tr>
</tbody>
</table>

#### Packaging

- **Module pieces per pallet**: 25
- **Module pieces per HC-container**: 600

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