**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

1 - 8% more power after 25 years

(Photovoltaic 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</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-350M/72S</td>
<td>350 Wp</td>
<td>38.34 V</td>
<td>9.13 A</td>
<td>9.58 A</td>
<td>46.89 V</td>
<td>17.90 %</td>
</tr>
<tr>
<td>AC-355M/72S</td>
<td>355 Wp</td>
<td>38.30 V</td>
<td>9.27 A</td>
<td>9.64 A</td>
<td>46.80 V</td>
<td>18.30 %</td>
</tr>
<tr>
<td>AC-360M/72S</td>
<td>360 Wp</td>
<td>38.45 V</td>
<td>9.38 A</td>
<td>9.77 A</td>
<td>47.00 V</td>
<td>18.55 %</td>
</tr>
<tr>
<td>AC-365M/72S</td>
<td>365 Wp</td>
<td>39.38 V</td>
<td>9.27 A</td>
<td>9.81 A</td>
<td>47.67 V</td>
<td>18.81 %</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

(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>I-U characteristic curve</th>
<th>Current Ipp</th>
<th>Voltage Upp</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 W/m²</td>
<td>2.00 A</td>
<td>37.55 V</td>
</tr>
<tr>
<td>400 W/m²</td>
<td>3.72 A</td>
<td>37.66 V</td>
</tr>
<tr>
<td>600 W/m²</td>
<td>5.60 A</td>
<td>37.75 V</td>
</tr>
<tr>
<td>800 W/m²</td>
<td>7.50 A</td>
<td>37.88 V</td>
</tr>
<tr>
<td>1000 W/m²</td>
<td>9.38 A</td>
<td>38.45 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%