AXI premium X
72 cell full-square monocrystalline High performance solar module

The advantages:

- **15 Years** 15 years manufacturer's warranty
- **P-Max** Highest performance due to specifically selected technologies and materials
- **Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- **2400 Pa** Maximum 2400 Pa snow load
- **100%** electroluminescence inspection
- **IP 68** High quality junction box and connector systems

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
**AX1 premium X** 380 - 400 Wp

**Design**
- **Frontside**: 3.2 mm hardened, low-reflection white glass
- **Cells**: 72 monocrystalline high efficiency cells
- **Backside**: Composite film
- **Frame**: 40 mm silver aluminium frame

**Mechanical data**
- **L x W x H**: 1979 x 1002 x 40 mm
- **Weight**: 23.5 kg with frame

**Power connection**
- **Socket**: Protection Class IP68 (3 bypass diodes)
- **Wire**: approx. 1.1 m, 4 mm²
- **Plug-in system**: Plug/socket IP68, Stäubli MC4

**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 P_mpp</th>
<th>Nominal voltage U_mpp</th>
<th>Nominal current I_mpp</th>
<th>Short circuit current I_sc</th>
<th>Open circuit voltage U_oc</th>
<th>Module conversion efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC-380M/72S</td>
<td>380 Wp</td>
<td>40,38 V</td>
<td>9,42 A</td>
<td>10,04 A</td>
<td>48,36 V</td>
<td>19,16 %</td>
</tr>
<tr>
<td>AC-385M/72S</td>
<td>385 Wp</td>
<td>40,64 V</td>
<td>9,48 A</td>
<td>10,12 A</td>
<td>48,59 V</td>
<td>19,42 %</td>
</tr>
<tr>
<td>AC-390M/72S</td>
<td>390 Wp</td>
<td>40,91 V</td>
<td>9,54 A</td>
<td>10,20 A</td>
<td>48,82 V</td>
<td>19,67 %</td>
</tr>
<tr>
<td>AC-395M/72S</td>
<td>395 Wp</td>
<td>41,15 V</td>
<td>9,61 A</td>
<td>10,29 A</td>
<td>49,05 V</td>
<td>19,92 %</td>
</tr>
<tr>
<td>AC-400M/72S</td>
<td>400 Wp</td>
<td>41,40 V</td>
<td>9,67 A</td>
<td>10,37 A</td>
<td>49,28 V</td>
<td>20,17 %</td>
</tr>
</tbody>
</table>

**Limit values**
- **System voltage**: 1000 VDC
- **NOCT (nominal operating cell temperature)**: 45°C +/-2K
- **Max. load-carrying capacity**: 2400 N/m²
- **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 Uoc 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 U_oc**: -0.29 %/K
- **Current I_sc**: 0.04 %/K
- **Output P_mpp**: -0.39 %/K

**Low-light performance** (Example for AC-380M/72S)
- **I-U characteristic curve**
- **Current I_pp**
- **Voltage U_pp**
  - 200 W/m²: 2.04 A, 39.48V
  - 400 W/m²: 3.76 A, 39.59 V
  - 600 W/m²: 5.64 A, 39.68 V
  - 800 W/m²: 7.54 A, 39.81 V
  - 1000 W/m²: 9.42 A, 40.38 V

**Packaging**
- **Module pieces per pallet**: 25 Stick.
- **Module pieces per HC-container**: 600 Stick.

Technical data are subject to change without prior notice, errors excepted. The measurement tolerances are +/-3%. Please be aware: All technical data provided in our data sheets are property of Axitec Energy GmbH & Co.KG and intended for information purposes for our customers only. We cannot accept any guarantee of completeness or accuracy. These data are prohibited for any kind of commercial use.