AXIworldpremium

60 cell 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
- **5400 Pa** Maximum 5400 Pa snow load
- **100%** 100% electroluminescence inspection
- **IP 65** 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

AXITEC Warranty Added Value!

- 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
## 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-315M/60S</td>
<td>315 Wp</td>
<td>32,79 V</td>
<td>9,61 A</td>
<td>10,03 A</td>
<td>40,16 V</td>
<td>18,88 %</td>
</tr>
<tr>
<td>AC-320M/60S</td>
<td>320 Wp</td>
<td>32,94 V</td>
<td>9,73 A</td>
<td>10,13 A</td>
<td>40,58 V</td>
<td>19,18 %</td>
</tr>
<tr>
<td>AC-325M/60S</td>
<td>325 Wp</td>
<td>33,10 V</td>
<td>9,84 A</td>
<td>10,20 A</td>
<td>40,84 V</td>
<td>19,48 %</td>
</tr>
<tr>
<td>AC-330M/60S</td>
<td>330 Wp</td>
<td>33,33 V</td>
<td>9,91 A</td>
<td>10,28 A</td>
<td>41,02 V</td>
<td>19,78 %</td>
</tr>
</tbody>
</table>

## Design
- **Frontside**: 3.2 mm hardened, low-reflection white glass
- **Cells**: 60 monocrystalline high efficiency cells
  - 158.75 mm x 158.75 mm
- **Backside**: Composite film
- **Frame**: 35 mm silver aluminium frame

## Mechanical data
- **L x W x H**: 1665 x 1002 x 35 mm
- **Weight**: 19.0 kg with frame

## Power connection
- **Socket**: Protection Class IP67 (6 bypass diodes)
- **Wire**: approx. 1.0 m, 4 mm²
- **Plug-in system**: Plug/socket IP67

## Limit values
- **System voltage**: 1000 VDC
- **NOCT (nominal operating cell temperature)**: 45°C +/-2K
- **Max. load-carrying capacity**: 5400 N/m²
- **Reverse current feed IR**: 15.0 A
- **Permissible operating temperature**: -40°C to 85°C / -40F to 185F
  - (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 Uoc**: -0.29 %/K
- **Current Isc**: 0.04 %/K
- **Output Pmpp**: -0.39 %/K

## Low-light performance (Example for AC-320M/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>2.54 A</td>
<td>30.95 V</td>
</tr>
<tr>
<td>400 W/m²</td>
<td>4.10 A</td>
<td>31.98 V</td>
</tr>
<tr>
<td>600 W/m²</td>
<td>6.44 A</td>
<td>32.59 V</td>
</tr>
<tr>
<td>800 W/m²</td>
<td>7.96 A</td>
<td>32.88 V</td>
</tr>
<tr>
<td>1000 W/m²</td>
<td>9.73 A</td>
<td>32.94 V</td>
</tr>
</tbody>
</table>

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