



AC-345M/156-72S  
AC-350M/156-72S  
AC-355M/156-72S

## AXIworldpremium

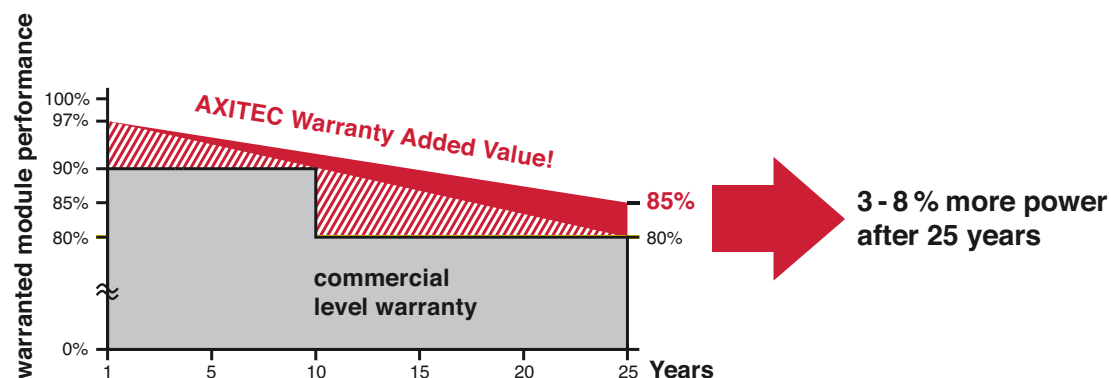
72 cell/ monocrystalline photovoltaic modules  
High performance photovoltaic modules

### The advantages:

- 12** Years 12 years manufacturer's warranty
- A-Max** Highest performance due to specifically selected technologies and materials
- Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 2.400 Pa** Maximum 2400 Pa snow load
- 100%** 100% electroluminescence inspection
- IP 67** 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



Distributed by:



**Electrical data** (at standard conditions (STC) irradiance 1000 watt/m<sup>2</sup>, spectrum AM 1.5 at a cell temperature of 25°C)

| Type            | Nominal output<br>P <sub>mpp</sub> | Nominal voltage<br>U <sub>mpp</sub> | Nominal current<br>I <sub>mpp</sub> | Short circuit current<br>I <sub>sc</sub> | Open circuit voltage<br>U <sub>oc</sub> | Module conversion<br>efficiency |
|-----------------|------------------------------------|-------------------------------------|-------------------------------------|--|---|---------------------------------|
| AC-345M/156-72S | 345 Wp                             | 38,10 V                             | 9,06 A                              | 9,48 A                                   | 46,60 V                                 | 17,70 %                         |
| AC-350M/156-72S | 350 Wp                             | 38,20 V                             | 9,16 A                              | 9,56 A                                   | 46,70 V                                 | 17,90 %                         |
| AC-355M/156-72S | 355 Wp                             | 38,30 V                             | 9,27 A                              | 9,64 A                                   | 46,80 V                                 | 18,20 %                         |

**Design**

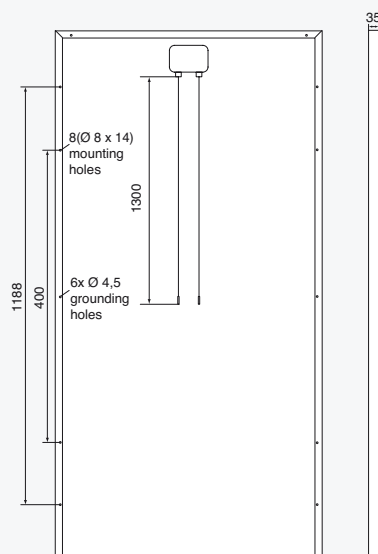
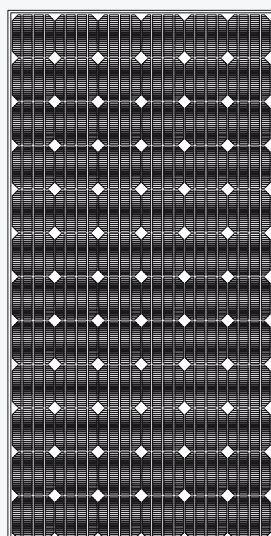
|           |   |
|-----------|---|
| Frontside | 3,2 mm hardened, low-reflection white glass                   |
| Cells     | 72 monocrystalline high efficiency cells 156 mm x 156 mm (6") |
| Backside  | Composite film  |
| Frame     | 35 mm silver anodized aluminium frame                         |

**Mechanical data**

|           |                    |
|-----------|--------------------|
| L x W x H | 1976 x 990 x 35 mm |
| Weight    | 21,2 kg with frame |

**Power connection**

|                |   |
|----------------|---|
| Socket         | Protection Class IP65 (3 bypass diodes) |
| Wire           | approx. 1,3 m, 4 mm <sup>2</sup>        |
| Plug-in system | Plug/socket IP67, H4 Amphenol           |



All dimensions in mm

**Limit values**

|  |                              |
|--|------------------------------|
| System voltage                             | 1000 VDC                     |
| NOCT (nominal operating cell temperature)* | 45°C +/-2K                   |
| Max. load-carrying capacity                | 2400 N/m <sup>2</sup>        |
| Reverse current feed IR                    | 15,0 A                       |
| Permissible operating temperature          | -40°C to 85°C / -40F to 185F |

(No external voltages greater than U<sub>oc</sub> may be applied to the module)

\* NOCT, irradiance 800 W/m<sup>2</sup>; AM 1,5; wind speed 1 m/s; Temperature 20°C

**Temperature coefficients**

|                         |           |
|-------------------------|-----------|
| Voltage U <sub>oc</sub> | -0,30 %/K |
| Current I <sub>sc</sub> | 0,04 %/K  |
| Output P <sub>mpp</sub> | -0,44 %/K |