



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

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**AXITEC**  
high quality german solar brand

## AXIpremium

72 cell monocrystalline  
High performance photovoltaic module

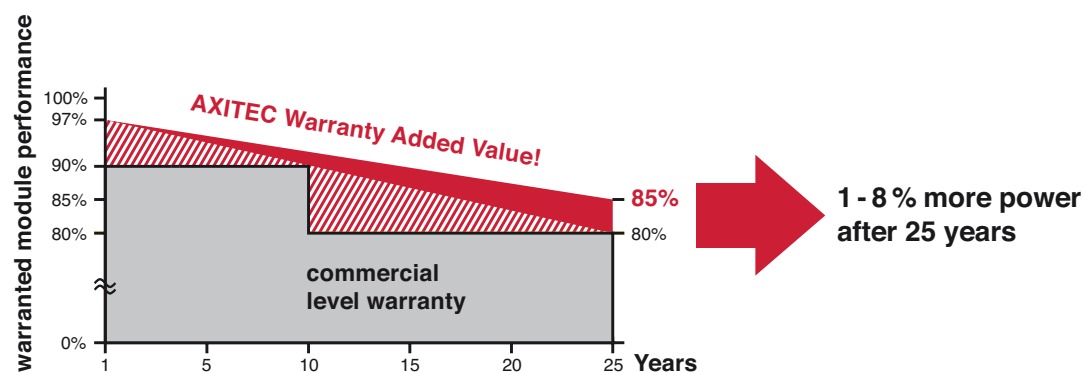
### The advantages:

- 12** Years 12 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
- 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



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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 P <sub>mpp</sub>	Nominal voltage U <sub>mpp</sub>	Nominal current I <sub>mpp</sub>	Short circuit current I <sub>sc</sub>	Open circuit voltage U <sub>oc</sub>	Module conversion efficiency
AC-345M/156-72S	345 Wp	38,10 V	9,06 A	9,48 A	46,60 V	17,64 %
AC-350M/156-72S	350 Wp	38,20 V	9,16 A	9,56 A	46,70 V	17,89 %
AC-355M/156-72S	355 Wp	38,30 V	9,27 A	9,64 A	46,80 V	18,15 %

## Design

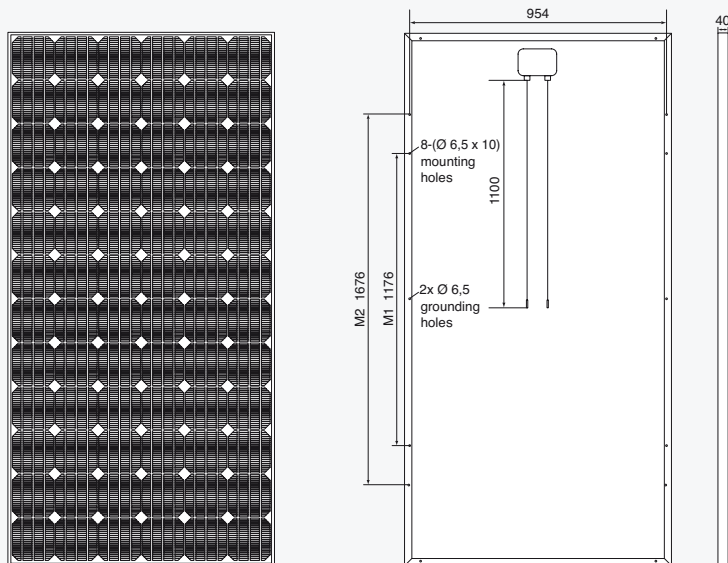
Frontside	3,2 mm hardened, low-reflection white glass
Cells	72 monocrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm silver anodized aluminium frame

## Mechanical data

L x W x H	1956 x 992 x 40 mm
Weight	23,0 kg with frame

## Power connection

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



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	16,0 A
Permissible operating temperature	-40°C to 85°C / -40°F to 185°F

(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>	-0,40 %/K

## Low-light performance

 (Example for AC-345M/156-72S)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	1,80 A	37,40V
400 W/m <sup>2</sup>	3,50 A	37,50 V
600 W/m <sup>2</sup>	530 A	37,60 V
800 W/m <sup>2</sup>	7,20 A	37,70 V
1000 W/m <sup>2</sup>	9,06 A	38,10 V

## Packaging

Module pieces per pallet	25 Stck.
Module pieces per HC-container	550 Stck.