



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

AXIworldpremium

72 cell/ monocrystalline photovoltaic modules
High performance photovoltaic modules

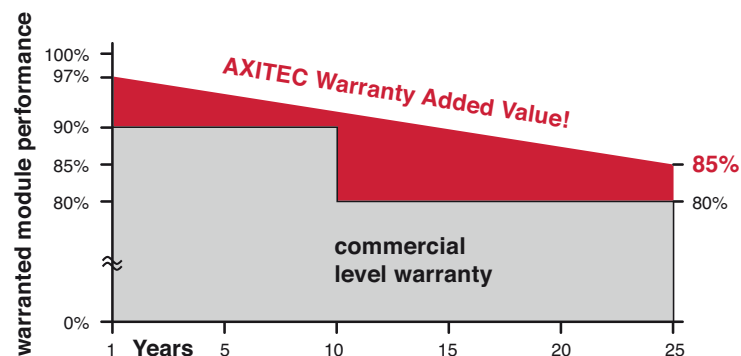
The advantages:

- 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



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Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25°C)

Type	Nominal output P _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Short circuit current I _{sc}	Open circuit voltage U _{oc}	Module conversion 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

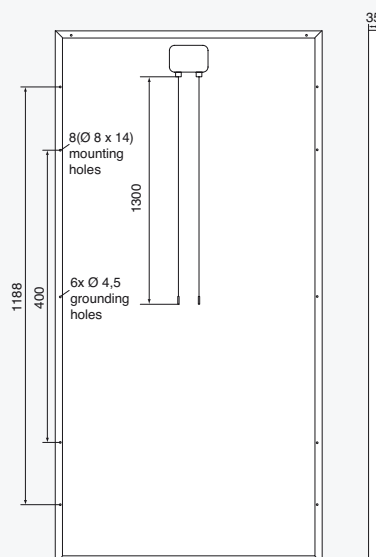
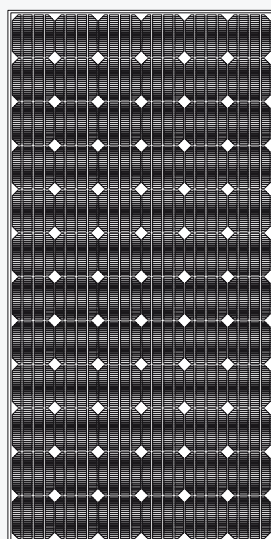
Frontside	3,2 mm hardened, low-reflection white glass
Cells	72 monocrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	35 mm silver anodized aluminium frame

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 ²
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 ²
Reverse current feed IR	15,0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than U_{oc} 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}	-0,30 %/K
Current I _{sc}	0,04 %/K
Output P _{mpp}	-0,44 %/K