



AC-290P/156-72S
 AC-295P/156-72S
 AC-300P/156-72S
 AC-305P/156-72S

www.axitecsolar.com








AXITEC
 high quality german solar company

AXIpower

72 cell/polycrystalline photovoltaic modules

High performance photovoltaic modules

The advantages:

-  12 years manufacturer's warranty
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  Maximum 2400 Pa snow load
-  100% electroluminescence inspection
-  High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
-  High quality junction box and connector systems
-  Sorting by Imp

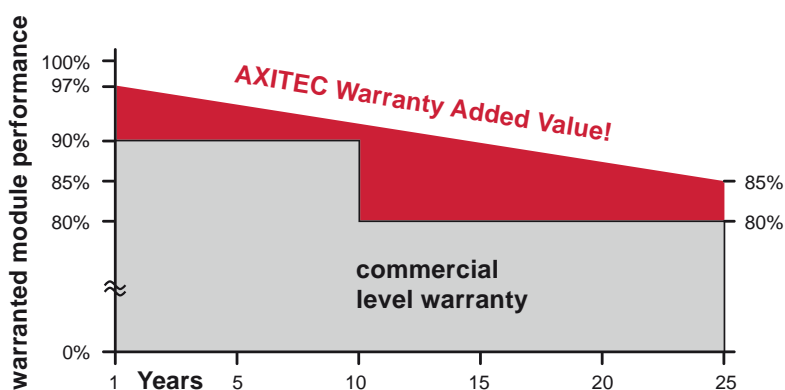
12
 YEARS
 Warranty



Fig. similar 72P156EN140810A

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



Management system TÜV-certified
 DIN ISO 9001:2008, Reg.-No. 12 100 34403



IEC 61215
 IEC 61730
 Snow Load Resistance
 ID 0000040256



Full Member of PV CYCLE

Distributed by:



IEC 61215
 IEC 61730
 Snow Load Resistance
 ID 0000040256



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-290P/156-72S	290 Wp	36,19 V	8,02 A	8,59 A	44,86 V	14,95 %
AC-295P/156-72S	295 Wp	36,46 V	8,10 A	8,65 A	45,17 V	15,20 %
AC-300P/156-72S	300 Wp	36,73 V	8,18 A	8,71 A	45,48 V	15,46 %
AC-305P/156-72S	305 Wp	37,00 V	8,26 A	8,77 A	45,79 V	15,72 %

Design

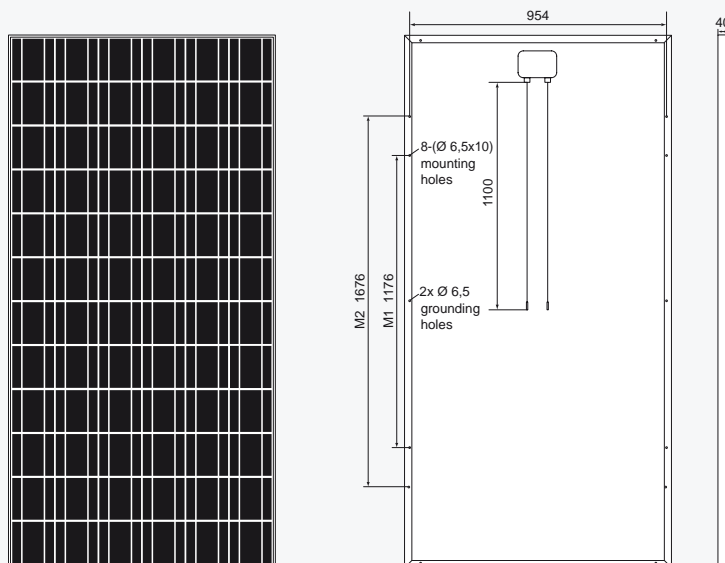
Frontside	3,2 mm hardened, low-reflection white glass
Cells	72 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm silver anodized aluminium frame

Mecanical data

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

Power connection

Socket	Protection Class IP65 (3 bypass diodes)
Wire	approx. 1,1 m, 4 mm ²
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 ²
Reverse current feed IR	16,0 A

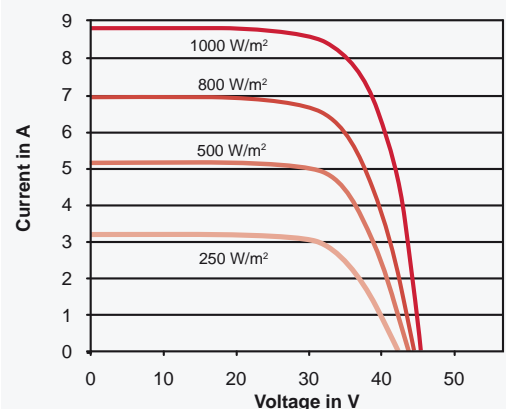
(No external voltages greater than V_o may be applied to the module)

* NOCT, irradiance 800 W/m²; AM 1,5; wind speed 1 m/s; Temperature 20°C

Temperature coefficients

Voltage U _{oc}	-0,33 %/K
Current I _{sc}	0,06 %/K
Output P _{mpp}	-0,44 %/K

I-U characteristic curve at 1000-800-500-250 W/m²



Example for AC-300P/156-72S