



AC-310P/156-72S  
AC-315P/156-72S  
AC-320P/156-72S  
AC-325P/156-72S  
AC-330P/156-72S

## AXIpower

72 cell polycrystalline  
High performance solar module

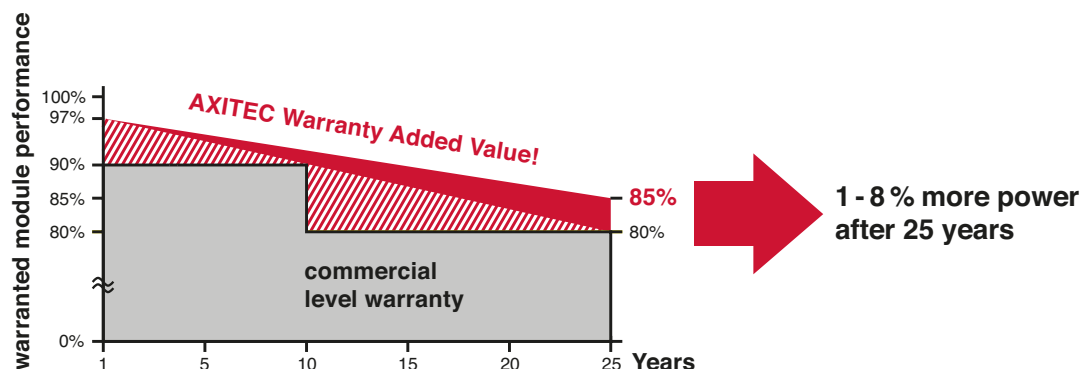
### The advantages:

- 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
- 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/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-310P/156-72S	310 Wp	37,02 V	8,39 A	8,89 A	45,52 V	15,98 %
AC-315P/156-72S	315 Wp	37,20 V	8,48 A	9,00 A	45,56 V	16,24 %
AC-320P/156-72S	320 Wp	37,39 V	8,58 A	9,18 A	45,59 V	16,49 %
AC-325P/156-72S	325 Wp	37,49 V	8,67 A	9,22 A	45,70 V	16,75 %
AC-330P/156-72S	330 Wp	37,70 V	8,76 A	9,27 A	45,83 V	17,01 %

**Design**

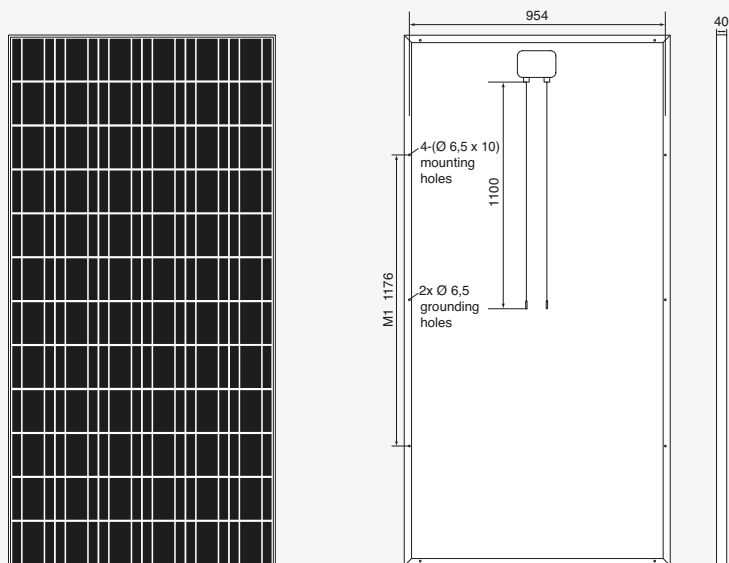
Frontside	3,2 mm hardened, low-reflection white glass
Cells	72 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm silver anodized aluminium frame

**Mechanical data**

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

**Power connection**

Socket	Protection Class IP67 (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 / -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>	-0,42 %/K

**Low-light performance** (Example for AC-320P/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	35,97 V
400 W/m <sup>2</sup>	3,07 A	35,99 V
600 W/m <sup>2</sup>	5,51 A	36,91 V
800 W/m <sup>2</sup>	6,95 A	37,32 V
1000 W/m <sup>2</sup>	8,58 A	37,39 V

**Packaging**

Module pieces per pallet	25
Module pieces per HC-container	600