



AC-250P/156-60S  
 AC-255P/156-60S  
 AC-260P/156-60S  
 AC-265P/156-60S  
 AC-270P/156-60S

www.axitecsolar.com

**AXITEC**  
 high quality german solar brand

## AXIworldpower

60 cell/polycrystalline photovoltaic modules  
 High performance photovoltaic modules

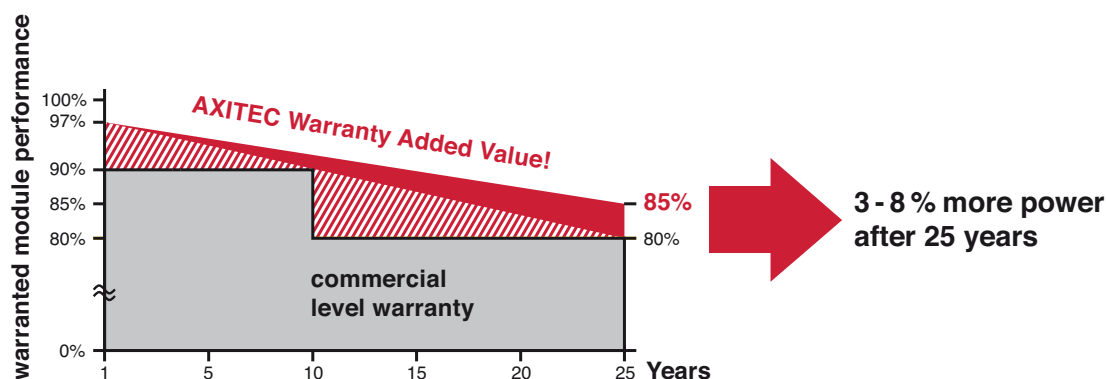
The advantages:

- 12** Years 12 years manufacturer's warranty
- A-Max** Highest performance due to specifically selected technologies and materials
- W<sub>p</sub>** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 5.400 Pa** Maximum 5400 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 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-250P/156-60S	250 Wp	30,70 V	8,18 A	8,71 A	37,80 V	15,40 %
AC-255P/156-60S	255 Wp	30,80 V	8,30 A	8,84 A	37,92 V	15,67 %
AC-260P/156-60S	260 Wp	30,92 V	8,43 A	9,01 A	38,00 V	15,98 %
AC-265P/156-60S	265 Wp	30,98 V	8,60 A	9,20 A	38,16 V	16,29 %
AC-270P/156-60S	270 Wp	31,12 V	8,71 A	9,25 A	38,21 V	16,60 %

**Design**

Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 polycrystalline 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	1640 x 990 x 35 mm
Weight	18,5 kg with frame

**Power connection**

Socket	Protection Class IP65 (3 bypass diodes)
Wire	approx. 0,9 m, 4 mm <sup>2</sup>
Plug-in system	Plug/socket IP67

**Limit values**

System voltage	1000 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	5400 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)

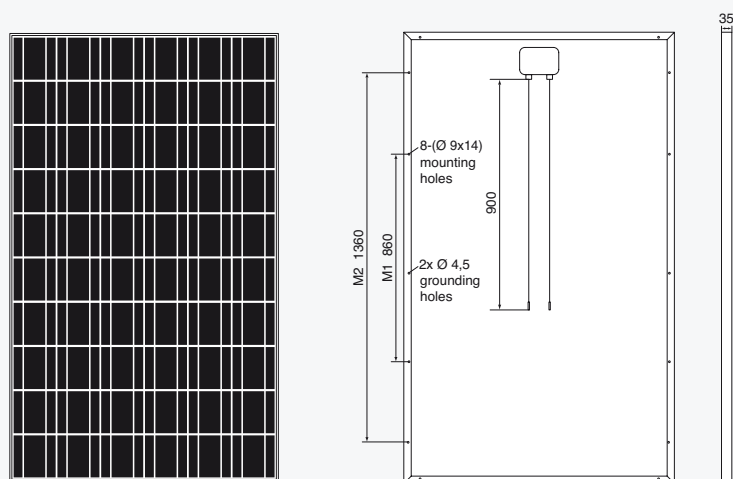
\* NOCT, irradiance 800 W/m<sup>2</sup>; AM 1,5;  
wind speed 1 m/s; Temperature 20°C

**Temperature coefficients**

Voltage U <sub>oc</sub>	-0,30 %/K
Current I <sub>sc</sub>	0,04 %/K
Output P <sub>mpp</sub>	-0,42 %/K

**Low-light performance** (Example for AC-260P/156-60S)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	1,70 A	30,10 V
400 W/m <sup>2</sup>	3,42 A	30,15 V
600 W/m <sup>2</sup>	5,41 A	30,52 V
800 W/m <sup>2</sup>	6,82 A	30,86 V
1000 W/m <sup>2</sup>	8,43 A	30,92 V



All dimensions in mm