



AC-240P/156-60S  
 AC-245P/156-60S  
 AC-250P/156-60S

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**AXITEC**  
 high quality german solar company

## AXI worldpower

60 cell/polycrystalline photovoltaic modules

High performance photovoltaic modules

The advantages:

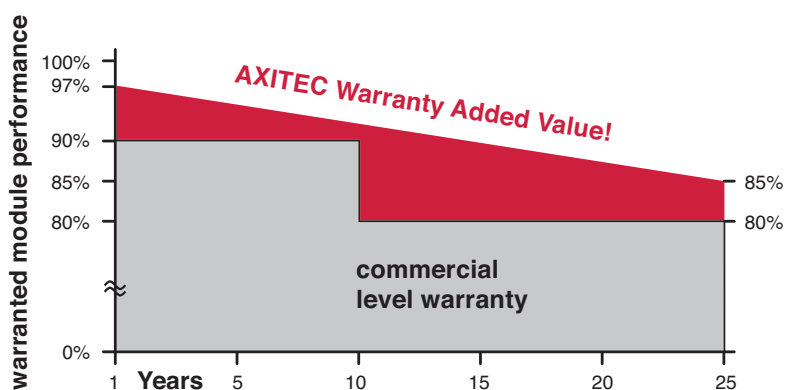
- 12** Years 12 years manufacturer's warranty
- +** Wp Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- ↓** 5.400 Pa Maximum 5400 Pa snow load
- 100%** 100% electroluminescence inspection
- IP 67** High quality junction box and connector systems



Fig. similar 60P156EN140325A-30/1

**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 000040256



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/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-240P/156-60S	240 Wp	30,25 V	7,98 A	8,50 A	37,20 V	14,55 %
AC-245P/156-60S	245 Wp	30,36 V	8,13 A	8,67 A	37,50 V	14,85 %
AC-250P/156-60S	250 Wp	30,70 V	8,18 A	8,71 A	37,80 V	15,15 %

**Design**

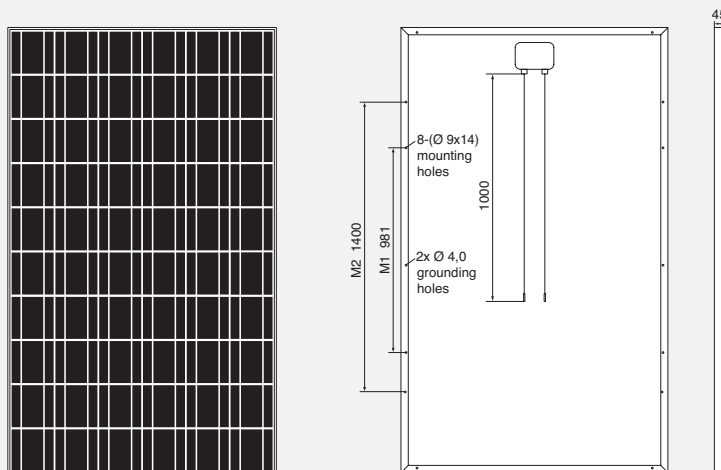
Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	45 mm silver anodized aluminium frame

**Mecanical data**

L x W x H	1650 x 1000 x 45 mm
Weight	20,0 kg with frame

**Power connection**

Socket	Protection Class IP65 (3 bypass diodes)
Wire	approx. 1,0 m, 4 mm <sup>2</sup>
Plug-in system	Plug/socket IP67, MC4 mateable



All dimensions in mm

**Limit values**

System voltage	1000 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	5400 N/m <sup>2</sup>
Revers current feed IR	15,0 A

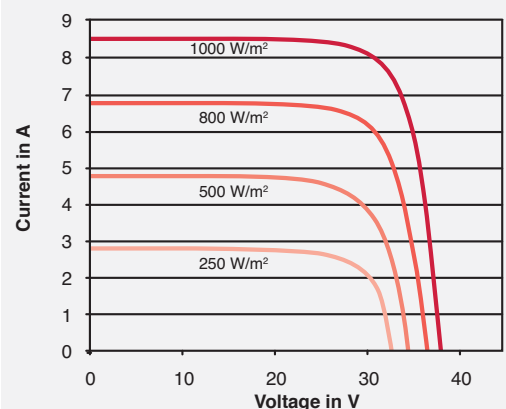
(No external voltages greater than V<sub>o</sub> may be applied to the module)

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

**Temperature coefficients**

Voltage U <sub>oc</sub>	-0,33 %/K
Current I <sub>sc</sub>	0,06 %/K
Output P <sub>mpp</sub>	-0,44 %/K

**I-U characteristic curve at 1000-800-500-250 W/m<sup>2</sup>**



Example for AC-240P/156-60S