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**AXITEC**<sup>®</sup>  
high quality german solar company

## AXIpower

60 cell/polycrystalline photovoltaic modules

High performance photovoltaic modules



German / U.S. engineered



12 years manufacturer's warranty  
Two more years than industry standard



Positive power tolerance from 0-5 Wp  
Higher guaranteed yield



Snow load of up to 113 psf  
Stable module for a long life in extreme conditions



100 % electroluminescence inspection  
Micro crack and hotspot free modules



Axitec-Soft-Grip-Seam aluminum frame  
Higher stability and easier handling



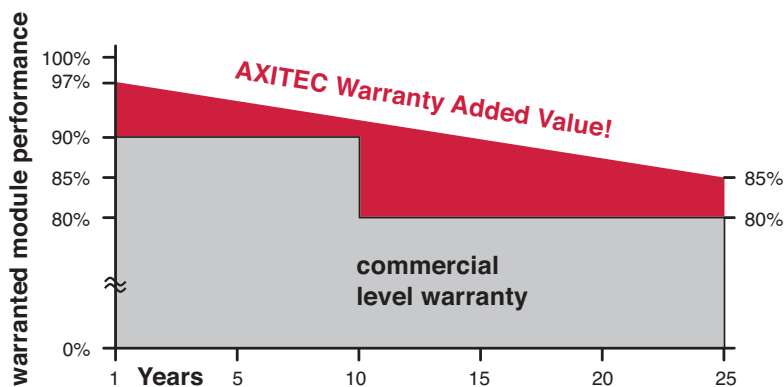
High quality junction box and connector  
system for a longer life time

**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
- Warrants around 6 % more than the market standard



Fig. similar 60P156USA130704A



CEC  
listed

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-240P/156-60S	240 Wp	30.54 V	7.87 A	8.48 A	37.26 V	14.75 %
AC-245P/156-60S	245 Wp	30.91 V	7.93 A	8.57 A	37.46 V	15.06 %
AC-250P/156-60S	250 Wp	31.45 V	7.98 A	8.65 A	37.90 V	15.37 %
AC-255P/156-60S	255 Wp	31.56 V	8.10 A	8.70 A	38.20 V	15.67 %

### Design

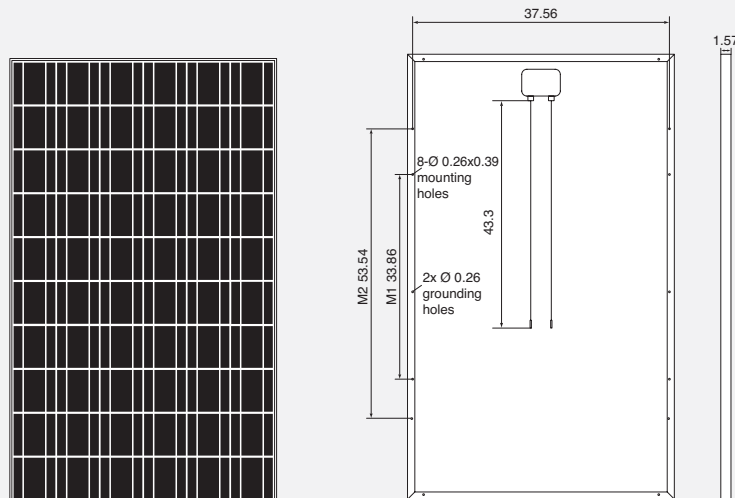
Frontside	0.13 inch (3,2 mm) hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 6 inch (156 x 156 mm)
Backside	Composite film
Frame	1.57 inch (40 mm) silver anodized aluminium frame

### Mechanical data

L x W x H	64.57 x 39.06 x 1.57 inch (1640 x 992 x 40 mm)
Weight	42,99 lbs (19,5 kg) with frame

### Power connection

Socket	Protection Class IP65 (3 bypass diodes)
Wire	43.3 inch, AWG 11
Plug-in system	Plug/socket IP67, MC4 mateable



All dimensions in inch

### Limit values

System voltage	600 VDC (UL) 1000 VDC (IEC)
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	113 PSF
Reverse current feed IR	15.0 A

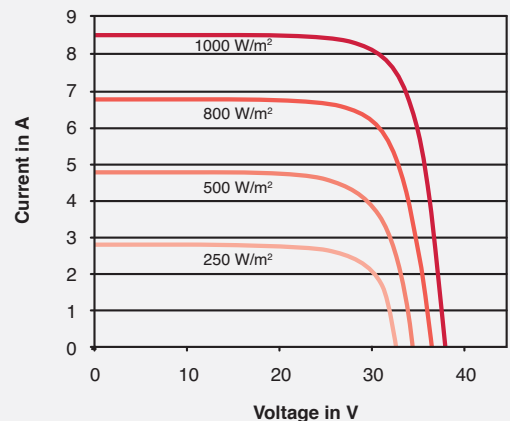
(No external voltages greater than Vo may be applied to the module)

\* 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-245P/156-60S