



AC-245M/156-60S  
 AC-250M/156-60S  
 AC-255M/156-60S  
 AC-260M/156-60S

www.axitecsolar.com

**AXITEC**  
 high quality german solar company

## AXI blackpremium

60 cell/monocrystalline photovoltaic modules

High performance photovoltaic modules

The advantages:








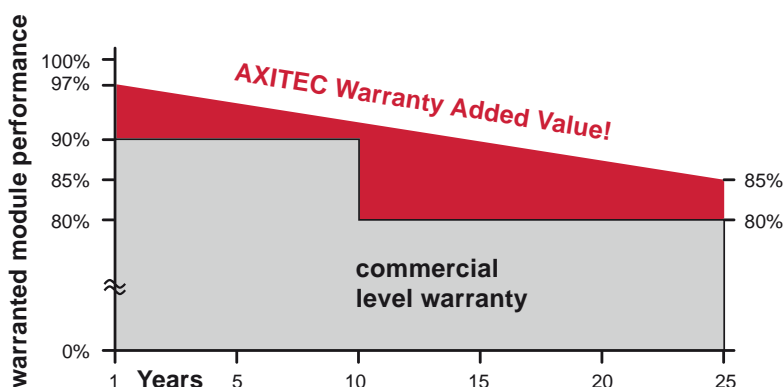
-  12 years manufacturer's warranty
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  Maximum 5400 Pa snow load
-  100% electroluminescence inspection
-  High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
-  High quality junction box and connector systems
-  Sorting by Impp



Fig. similar 60M156EN141006A

**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

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Distributed by:



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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-245M/156-60S	245 Wp	29,23 V	8,40 A	8,72 A	37,73 V	15,06 %
AC-250M/156-60S	250 Wp	29,65 V	8,47 A	8,80 A	37,98 V	15,37 %
AC-255M/156-60S	255 Wp	30,02 V	8,54 A	8,97 A	38,13 V	15,67 %
AC-260M/156-60S	260 Wp	30,42 V	8,60 A	9,06 A	38,30 V	15,98 %

### Design

Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 monocrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm black anodized aluminium frame

### Mecanical data

L x W x H	1640 x 992 x 40 mm
Weight	18,5 kg with frame

### Power connection

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

### Limit values

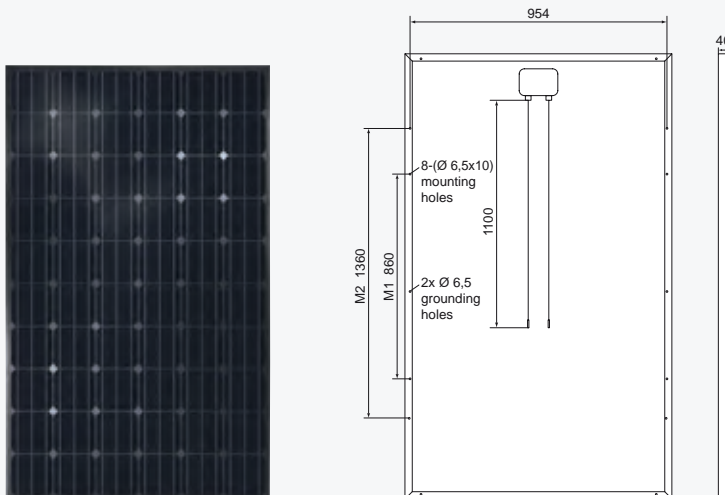
System voltage	1000 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	5400 N/m <sup>2</sup>
Reverse current feed IR	16,0 A

(No external voltages greater than V<sub>o</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

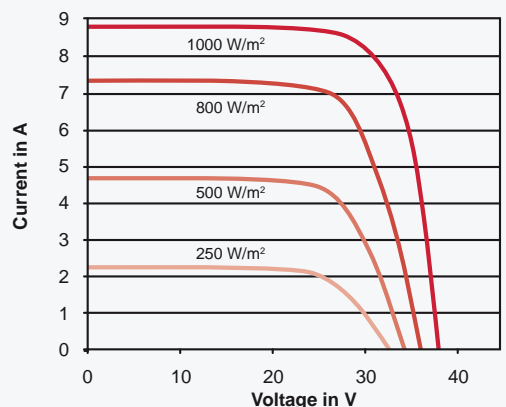
### Temperature coefficients

Voltage U <sub>oc</sub>	-0,32 %/K
Current I <sub>sc</sub>	0,04 %/K
Output P <sub>mpp</sub>	-0,40 %/K



All dimensions in mm

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



Example for AC-245M/156-60S