



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

www.axitecsolar.com

AXITEC
 high quality german solar company

AXI blackpremium

60 cell / monocrystalline photovoltaic modules

High performance photovoltaic modules
 Made in Asia

The advantages:








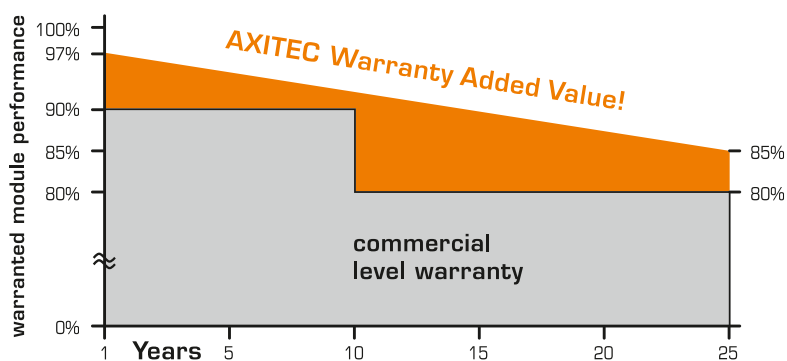
-  10 years manufacturer guarantee
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  Maximum 5400 Pa snow load
-  100 % electroluminescence inspection
-  High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
-  High quality junction box (30 A) and connector systems
-  Sorting by Impv



Fig. similar 60M156GB111207A

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



Qualified, IEC 61215
 Safety tested, IEC 61730
 Periodic inspection



Full Member of PV CYCLE

Distributed by:



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Electrical data (at standard conditions (STC) solarisation 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25° C)

Type	Nominal output P _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Short circuit current I _{sc}	Open circuit voltage U _{oc}	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 %

Design

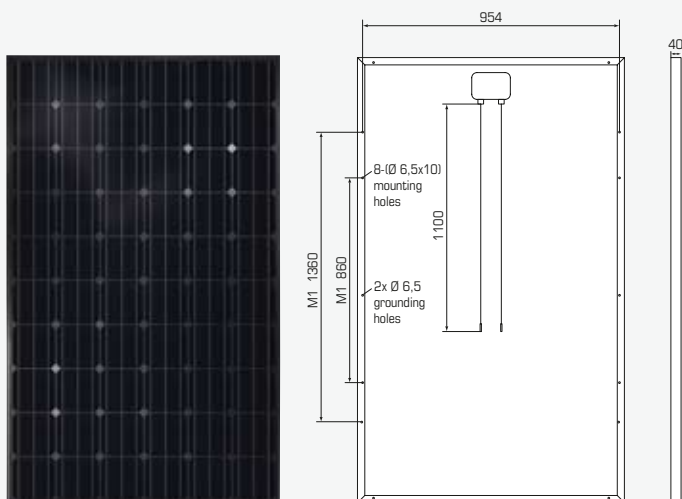
Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 monocrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm silver anodized aluminium frame

Mechanical data

L x W x H	1640 x 992 x 40 mm
Weight	20,0 kg with frame

Power connection

Socket	Protection Class IP65 (3 bypass diodes)
Wire	approx. 1,1 m, 4 mm ²
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 ²
Reverse current feed IR	30,0 A

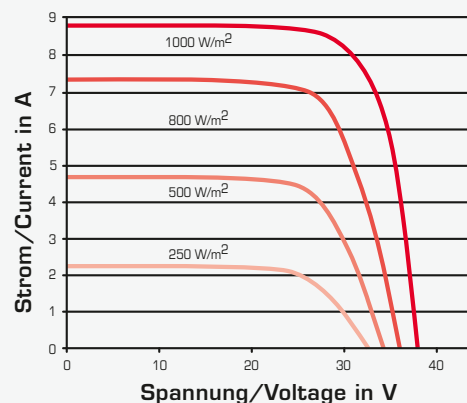
(No external voltages greater than V_o may be applied to the module)

* NOCT, irradiance 800W/m²; AM 1,5; wind speed 1m/s; Temperature 20°C

Temperature coefficients

Voltage U _{oc}	-0,32 %/K
Current I _{sc}	0,04 %/K
Output P _{mpp}	-0,40 %/K

I-U characteristic curve at 1000-800-500-250 W/m²



Example for AC-245M/156-60S