



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

The advantages:

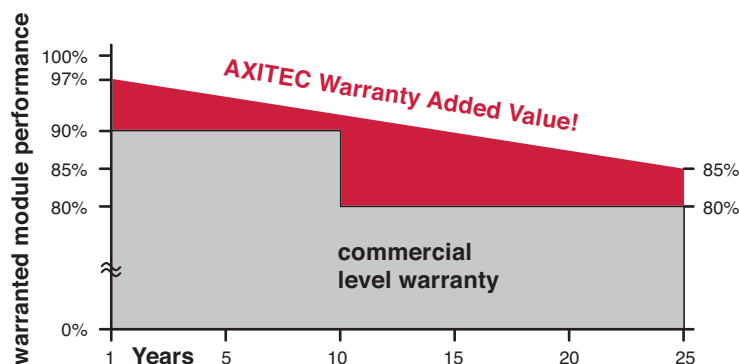
- 12 Years** 12 years manufacturer's warranty
- + Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 5.400 Pa** Maximum 5400 Pa snow load
- 100%** 100% electroluminescence inspection
- Soft Grip** High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
- IP 67** High quality junction box and connector systems
- ImpP** Sorting by ImpP



Fig. similar 60M/156EN130418A

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

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

Type	Nominal output P _{mp}	Nominal voltage U _{mp}	Nominal current I _{mp}	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 black anodized aluminium frame

Mechanical data

L x W x H	1640 x 992 x 40 mm
Weight	19,5 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

Limit values

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

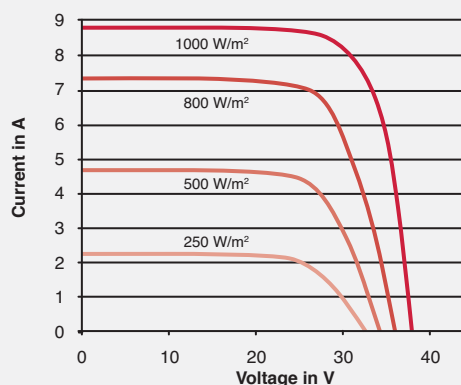
(No external voltages greater than V_o
may be applied to the module)

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

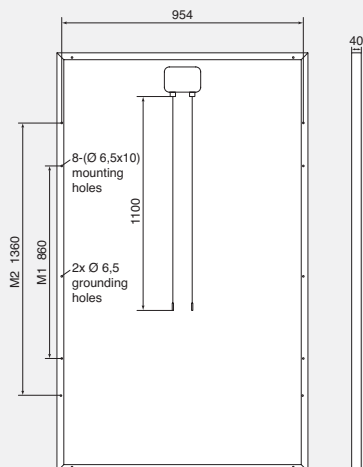
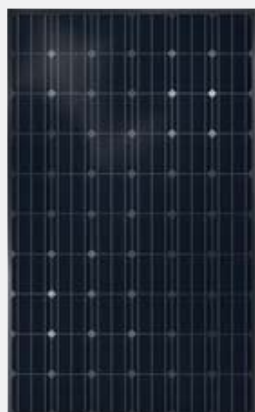
Temperature coefficients

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

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



Example for AC-245M/156-60S



All dimensions in mm