



AXIpremium

60 cell/monocrystalline photovoltaic modules

High performance photovoltaic modules

Made in Europe

The advantages:






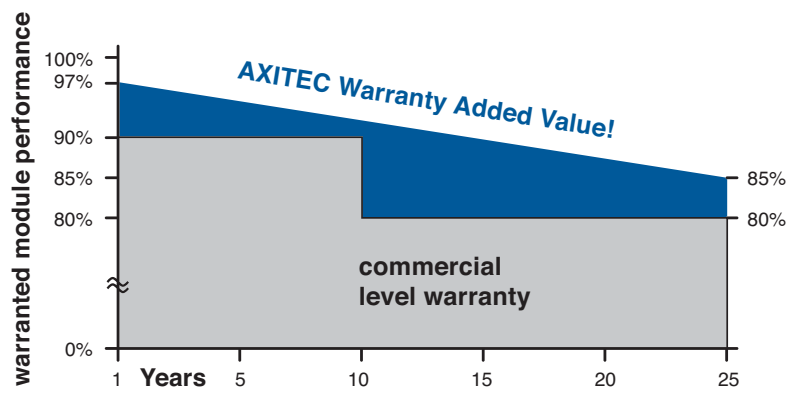
- 
12 years manufacturer's warranty
- 
Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 
Maximum 5400 Pa snow load
- 
High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
- 
High quality junction box and connector systems



Fig. similar 60M156EN130121E

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



TÜV Intercert No. 11-PPV-0000007/01-M01-TIC
 Qualified, IEC 61215
 IEC 61730 (protection class II)



Managementsystem TÜV zertifiziert nach
 DIN ISO 9001:2008, Reg.-No. 12 100 34403



Full Member of PV CYCLE

AXI premium

- AC-250M/156-60S
- AC-255M/156-60S
- AC-260M/156-60S
- AC-265M/156-60S

Distributed by:



TÜV Intercert No. 11-PPV-0000007/01-M01-TIC
 Qualified, IEC 61215
 IEC 61730 (protection class II)



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 _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Short circuit current I _{sc}	Open circuit voltage U _{oc}	Module conversion efficiency
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 %
AC-265M/156-60S	265 Wp	30,85 V	8,65 A	9,20 A	38,42 V	16,29 %

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

Mecanical data

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

Power connection

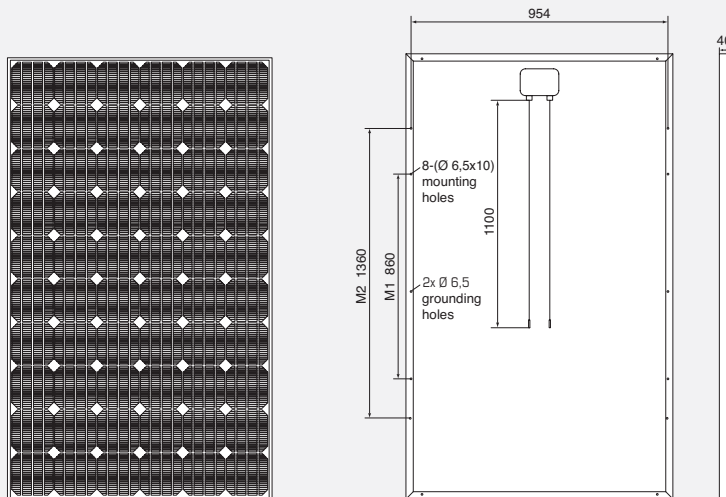
Socket	Protection Class IP65 (3 bypass diodes)
Wire	approx. 1,1 m, 4 mm ²
Plug-in system	Plug/socket IP67, MC4 mateable

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

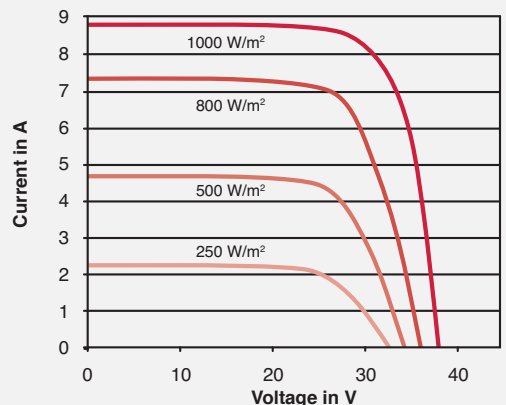


All dimensions in mm

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-250M/156-60S