



AC-240P/156-60S
AC-245P/156-60S
AC-250P/156-60S

www.axitecsolar.com

AXITEC
high quality german solar company

AXIworldpower

60 cell/polycrystalline photovoltaic modules

High performance photovoltaic modules

Made in Germany

The advantages:

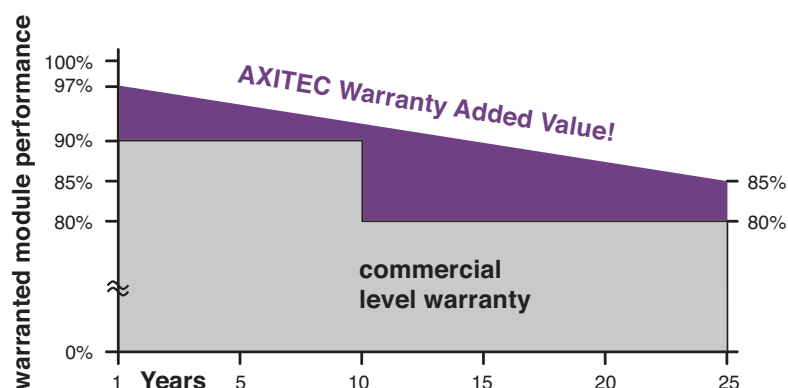
- 12**
Years 12 years manufacturer's warranty
- +**
Wp Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- ↓**
5.400 Pa Maximum 5400 Pa snow load
- 100%** 100 % electroluminescence inspection
- IP 67** High quality junction box and connector systems



Fig. similar 60P156EN140224G-08/1

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:



Qualified, IEC 61215
Safety tested, IEC 61730
Periodic inspection



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-240P/156-60S	240 Wp	30,25 V	7,98 A	8,50 A	37,20 V	14,74 %
AC-245P/156-60S	245 Wp	30,36 V	8,13 A	8,67 A	37,50 V	15,04 %
AC-250P/156-60S	250 Wp	30,70 V	8,18 A	8,71 A	37,80 V	15,35 %

Design

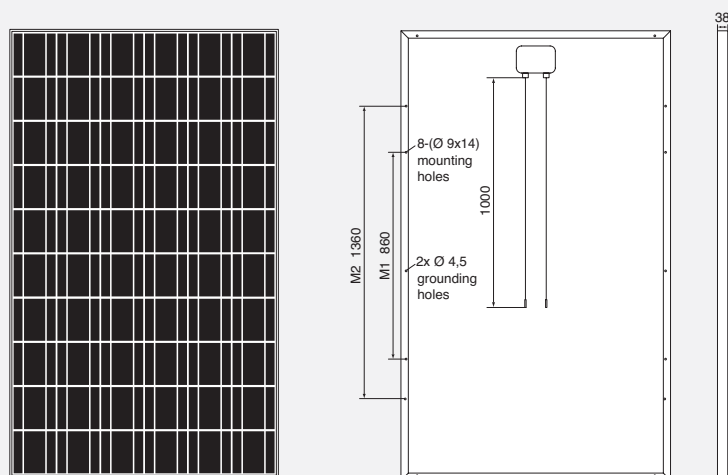
Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	38 mm silver anodized aluminium frame

Mecanical data

L x W x H	1645 x 990 x 38 mm
Weight	19,0 kg with frame

Power connection

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



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
Revers current feed IR	15,0 A

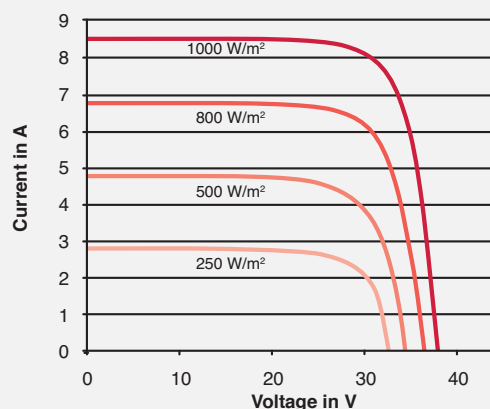
(No external voltages greater than V_o
may be applied to the module)

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

Temperature coefficients

Voltage U _{oc}	-0,33 %/K
Current I _{sc}	0,06 %/K
Output P _{mpp}	-0,44 %/K

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



Example for AC-240P/156-60S