



270 - 280 Wp

AXITEC
high quality german solar brand

AXIpower

High performance solar module
60 cell, polycrystalline

The advantages:

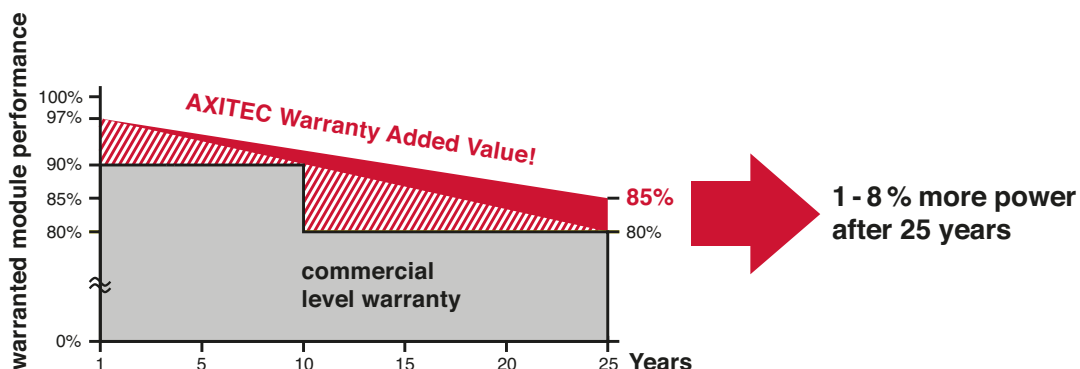
- 15** Years 15 years manufacturer's warranty
- P-Max** Highest performance due to specifically selected technologies and materials
- + Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 5.400 Pa** Maximum 5400 Pa snow load
- 100%** 100% electroluminescence inspection
- Soft Grip** High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
- IP 68** High quality junction box and connector systems



Fig. similar 60PEN200914A

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



AXIpower 270 - 280 Wp

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-270P/60S	270 Wp	31,26 V	8,64 A	9,15 A	38,31 V	16,50 %
AC-275P/60S	275 Wp	31,47 V	8,74 A	9,24 A	38,50 V	16,80 %
AC-280P/60S	280 Wp	31,73 V	8,83 A	9,32 A	38,68 V	17,11 %

Design

Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells
Backside	Composite film
Frame	35 mm silver aluminium frame

Mechanical data

L x W x H	1650 x 992 x 35 mm
Weight	18,1 kg with frame

Power connection

Socket	Protection Class IP68 (3 bypass diodes)
Wire	approx. 1,1 m, 4 mm ²
Plug-in system	Plug/socket IP68, Stäubli MC4 / MC4 pluggable

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	20,0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than U_{oc} may be applied to the module)

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

Temperature coefficients

Voltage U _{oc}	-0,30 %/K
Current I _{sc}	0,04 %/K
Output P _{mpp}	-0,40 %/K

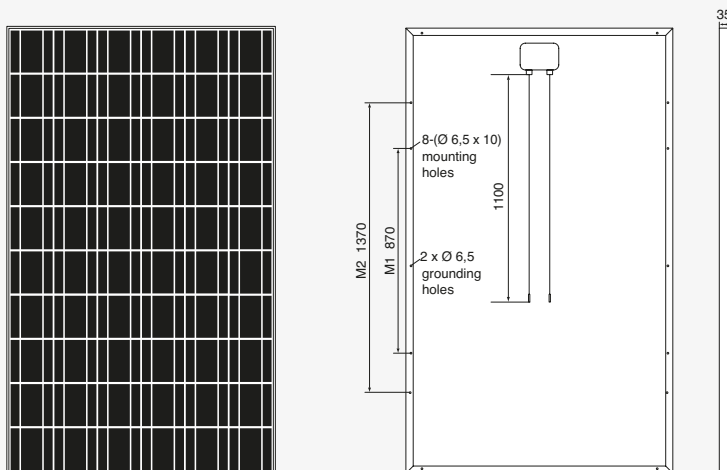
Low-light performance

 (Example for AC-280P/60S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	1,80 A	30,54 V
400 W/m ²	3,64 A	30,89 V
600 W/m ²	5,44 A	31,13 V
800 W/m ²	7,19 A	31,40 V
1000 W/m ²	8,83 A	31,73 V

Packaging

Module pieces per pallet	30
Module pieces per HC-container	840



All dimensions in mm