

270 - 275 Wp

www.axitecsolar.us

AXITEC®
high quality german solar brand

AXIpower

60 cell polycrystalline
High performance solar module

German engineered – made for America

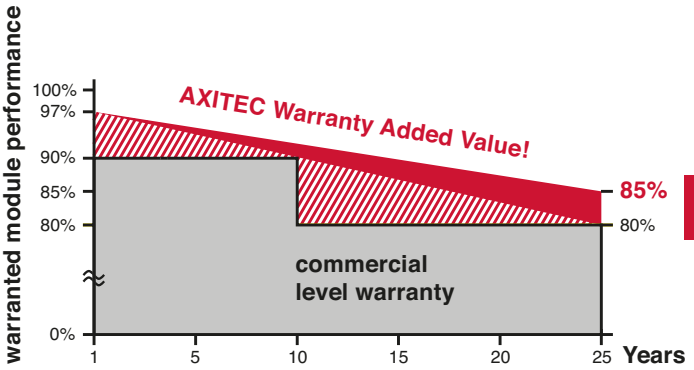
- 15 years manufacturer's warranty
  Five more years than industry standard
- Highest performance due to specifically selected technologies and materials
- Positive power tolerance from 0-5 Wp
  Higher guaranteed yield
- Snow load of up to 113 psf
  Stable module for a long life in extreme conditions
- 100 % electroluminescence inspection
  Micro crack and hotspot free modules
- Axitec-Soft-Grip-Seam aluminum frame
  Higher stability and easier handling
- High quality junction box and connector system for a longer life time



Fig. similar 60PUSA180724A

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



1 - 8 % more power after 25 years

c UL us LISTED
(Photovoltaic Module over 600 Volts)
E487509

www.axitecsolar.us

AXITEC®
high quality german solar brand

AXIpower 270 - 275 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 Pmpp	Nominal voltage Umpp	Nominal current Impp	Short circuit current Isc	Open circuit voltage Uoc	Module conversion efficiency
AC-270P/60S	270 Wp	31.26 V	8.64 A	9.15 A	38.31 V	16.60 %
AC-275P/60S	275 Wp	31.46 V	8.74 A	9.24 A	38.50 V	16.90 %

Design

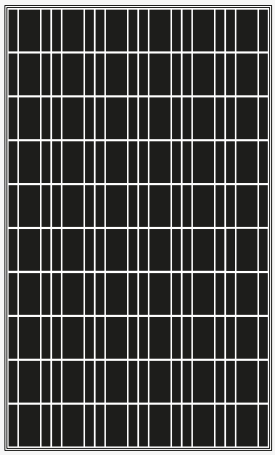
Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 6 inch (156 x 156 mm)
Backside	Composite film
Frame	1.38 inch (35 mm) silver anodized aluminium frame

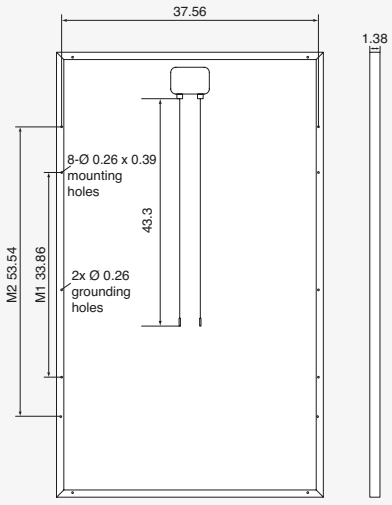
Mechanical data

L x W x H	64.57 x 39.06 x 1.38 inch (1640 x 992 x 35 mm)
Weight	39.68 lbs (18.0 kg) with frame

Power connection

Socket	Protection Class IP67 (3 bypass diodes)
Wire	43.3 inch, AWG 11
Plug-in system	Plug/socket IP67





All dimensions in inch

Limit values

System voltage	1000 VDC (UL) 1000 VDC (IEC)
Module Fire Performance	TYPE 1 (UL 1703) or CLASS C (IEC 61730)
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	113 PSF
Reverse current feed IR	20.0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than Vo 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 Uoc	-0.30 %/K
Current Isc	0.04 %/K
Output Pmpp	-0.42 %/K

Low-light performance (Example for AC-270P/60S)

I-U characteristic curve	Current Ipp	Voltage Upp
200 W/m²	1.79 A	30.02 V
400 W/m²	3.35 A	30.12 V
600 W/m²	5.58 A	30.70 V
800 W/m²	7.03 A	31.03 V
1000 W/m²	8.64 A	31.26 V

Packaging

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

Technical data are subject to change without prior notice, errors excepted.

The measurement tolerances are +/-3%