270 - 280 Wp

AXIworldpower

High performance solar module
60 cell polycrystalline

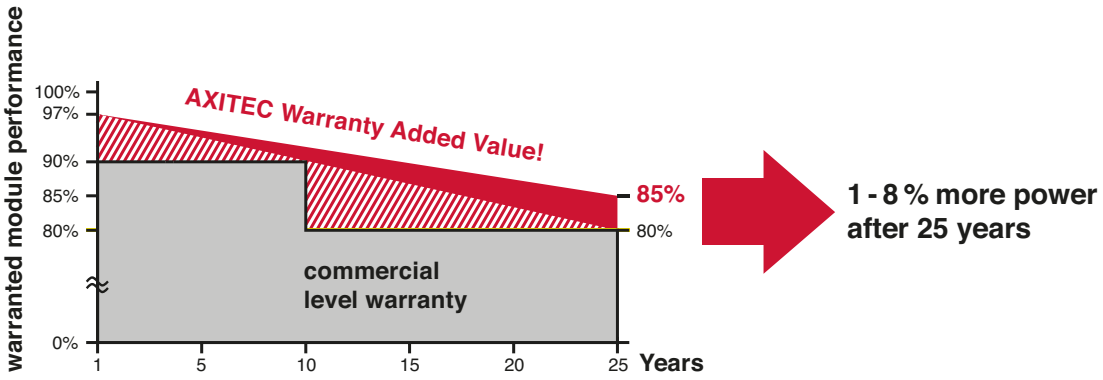
The advantages:

- 15 Years — 15 years manufacturer‘s warranty
- P-Max — Highperformance due to specifically selected technologies and materials
- Wp — Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 100% — 100 % visual electroluminescence inspection in production
- IP 68 — High quality junction box and connector systems

Fig. similar 60PEN220321A-126/2

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



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AXIworldpower 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 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	16,50 %
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

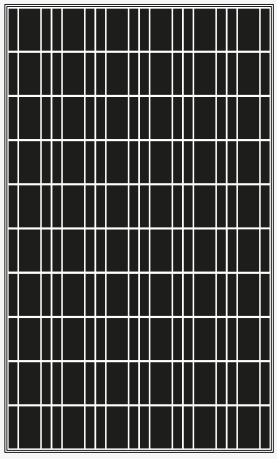
L x W x H	1650 x 992 x 35 mm
Weight	17,8 kg with frame

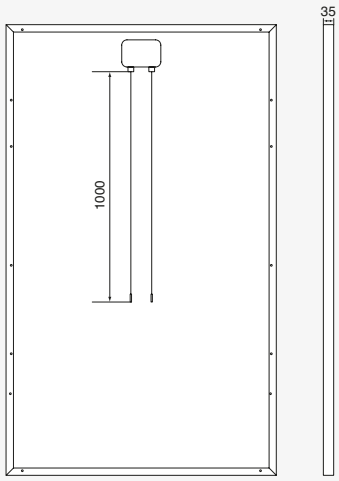
Mechanical load

Design load (pressure/suction)	3600 Pa / 1600 Pa
Test load (pressure/suction)	5400 Pa / 2400 Pa

Power connection

Socket	Protection Class IP68
Wire	approx. 1,0 m, 4 mm²
Plug-in system	Plug/socket IP68, MC4 pluggable





All dimensions in mm

Limit values

System voltage	1000 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Reverse current feed IR	15,0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than Uoc 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	-0,40 %/K

Low-light performance (Example for AC-280P/60S)

I-U characteristic curve	Current Ipp	Voltage Upp
200 W/m²	2,06 A	30,10 V
400 W/m²	3,55 A	30,56 V
600 W/m²	5,08 A	31,15 V
800 W/m²	7,25 A	31,44 V
1000 W/m²	8,83 A	31,73 V