



270 - 280 Wp

AXIprotect PW

60 cell glass/glass polycrystalline
High performance solar module

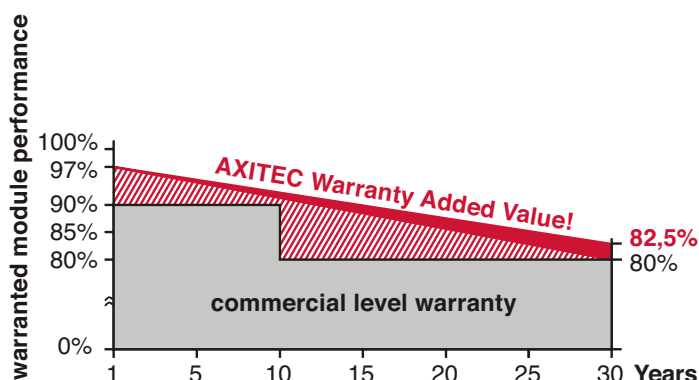
The advantages:

- 15** Years 15 years manufacturer's warranty
- PID free** PID-free through glass/glass-technology
- + 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



Exclusive linear AXITEC high performance guarantee!

- 15 years manufacturer's guarantee on 90% of the nominal performance
- 30 years manufacturer's guarantee on 82,5% of the nominal performance



AXIprotect PW 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-270PG/60S	270 Wp	31,27 V	8,64 A	9,15 A	38,31 V	16,21 %
AC-275PG/60S	275 Wp	31,46 V	8,75 A	9,24 A	38,50 V	16,51 %
AC-280PG/60S	280 Wp	31,67 V	8,85 A	9,33 A	38,69 V	16,81 %

Design

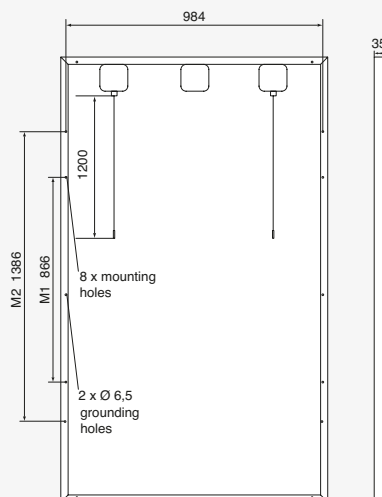
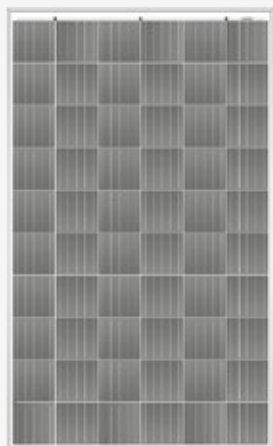
Frontside	2 x 2,5 mm hardened, low-reflection white glass
Cells	60 polycrystalline high efficiency cells 156,75 mm x 156,75 mm (6")
Backside	Composite film (white)
Frame	35 mm silver anodized aluminium frame

Mechanical data

L x W x H	1666 x 1000 x 35 mm
Weight	22,5 kg with frame

Power connection

Socket	Protection Class IP68
Wire	approx. 1,2 m, 4 mm ²
Plug-in system	Plug/socket IP68



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
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-280PG/60S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	1,86 A	31,13 V
400 W/m ²	3,43 A	31,20 V
600 W/m ²	5,71 A	31,23 V
800 W/m ²	7,20 A	31,42 V
1000 W/m ²	8,85 A	31,67 V

Packaging

Module pieces per pallet	30
Module pieces per HC-container	780