



370 - 380 Wp

AXITEC
high quality german solar brand

AXIworldblackpremium XL

High performance solar module
60 cell, monocrystalline

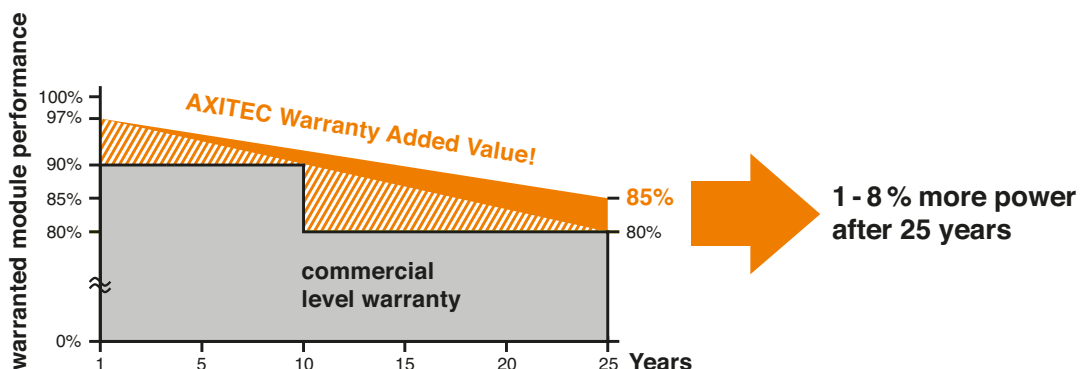
The advantages:

- 15 Years** 15 years manufacturer's warranty
- P-Max** High performance 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



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



AXIworldblackpremium XL 370 - 380 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-370M/60V	370 Wp	34.25 V	10.81 A	11.41 A	41.06 V	20.43 %
AC-375M/60V	375 Wp	34.48 V	10.88 A	11.48 A	41.30 V	20.70 %
AC-380M/60V	380 Wp	34.72 V	10.95 A	11.55 A	41.54 V	20.98 %

Design

Frontside	3.2 mm hardened, low-reflection white glass
Cells	60 monocrystalline high efficiency cells
Backside	Composite film
Frame	35 mm black aluminium frame

Mechanical data

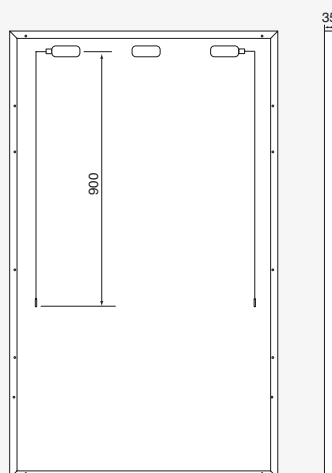
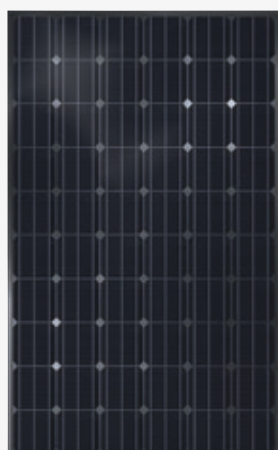
L x W x H	1745 x 1038 x 35 mm
Weight	20.5 kg with frame

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. 0.9 m, 4 mm ²
Plug-in system	Plug/socket IP68, Stäubli EVO2



All dimensions in mm

Limit values

System voltage	1500 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Reverse current feed IR	25.0 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}	0.06 %/K
Output P _{mpp}	-0.39 %/K

Low-light performance (Example for AC-380M/60V)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2.24 A	33.41 V
400 W/m ²	4.51 A	33.80 V
600 W/m ²	6.75 A	34.06 V
800 W/m ²	8.92 A	34.36 V
1000 W/m ²	10.95 A	34.72 V