



**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

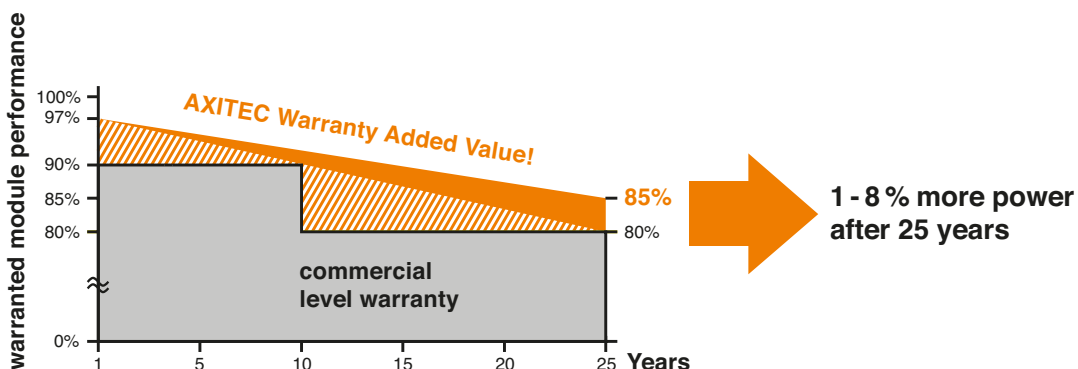


Fig. similar  
60MEN210421G-120/1



## AXIworldblackpremium XL 370 - 380 Wp

**Electrical data** (at standard conditions (STC) irradiance 1000 watt/m<sup>2</sup>, spectrum AM 1.5 at a cell temperature of 25°C)

Type	Nominal output P <sub>mpp</sub>	Nominal voltage U <sub>mpp</sub>	Nominal current I <sub>mpp</sub>	Short circuit current I <sub>sc</sub>	Open circuit voltage U <sub>oc</sub>	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

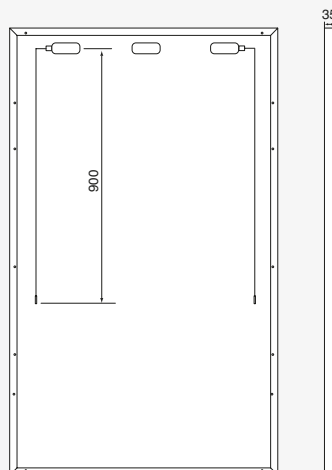
L x W x H	1745 x 1038 x 35 mm
Weight	20.5 kg with frame

### 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 <sup>2</sup>
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<sub>oc</sub> may be applied to the module)

\* NOCT, irradiance 800 W/m<sup>2</sup>; AM 1.5; wind speed 1 m/s; Temperature 20°C

### Temperature coefficients

Voltage U <sub>oc</sub>	-0.30 %/K
Current I <sub>sc</sub>	0.06 %/K
Output P <sub>mpp</sub>	-0.39 %/K

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

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