



**370 - 380 Wp**

**AXITEC**  
high quality german solar brand

## AXIworldpremium XL HC

High performance solar module  
120 halfcell, monocrystalline

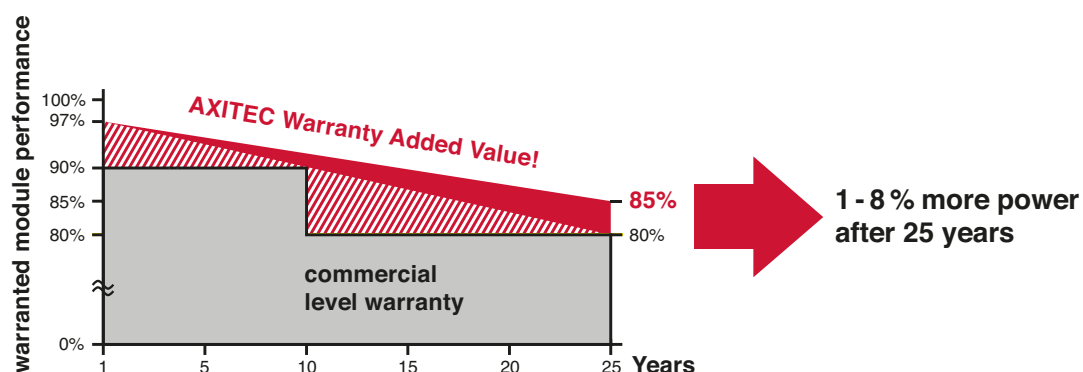
The advantages:

- 15** Years 15 years Manufacturer's warranty
- HC** High module performance through Half-Cut-technology and selected 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



## AXIworldpremium XL HC 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-370MH/120V	370 Wp	34.09 V	10.86 A	11.39 A	41.32 V	20.31 %
AC-375MH/120V	375 Wp	34.29 V	10.94 A	11.46 A	41.56 V	20.59 %
AC-380MH/120V	380 Wp	34.49 V	11.02 A	11.53 A	41.72 V	20.86 %

### Design

Frontside	3.2 mm hardened, low-reflection white glass
Cells	120 monocrystalline high efficiency cells
Backside	Composite film
Frame	35 mm silver aluminium frame

### Mechanical data

L x W x H	1755 x 1038 x 35 mm
Weight	20.0 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. 1.2 m, 4 mm <sup>2</sup>
Plug-in system	Plug/socket IP68, Stäubli EVO2 / EVO2 pluggable

### Limit values

System voltage	1500 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Reverse current feed IR	20.0 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)

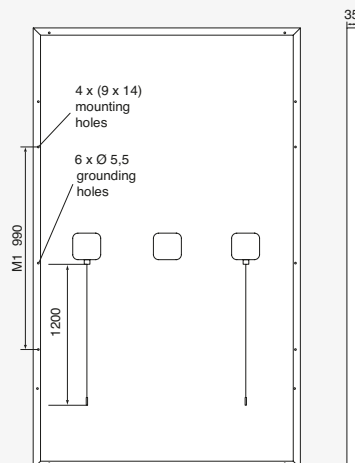
\* NOCT, irradiance 800 W/m<sup>2</sup>; AM 1,5; wind speed 1 m/s; Temperature 20°C

### Temperature coefficients

Voltage U <sub>oc</sub>	-0.27 %/K
Current I <sub>sc</sub>	0.048 %/K
Output P <sub>mp</sub>	-0.35 %/K

### Low-light performance (Example for AC-380MH/120V)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	2.25 A	33.19 V
400 W/m <sup>2</sup>	4.54 A	33.58 V
600 W/m <sup>2</sup>	6.79 A	33.84 V
800 W/m <sup>2</sup>	8.97 A	34.13 V
1000 W/m <sup>2</sup>	11.02 A	34.49 V



All dimensions in mm