



**360 - 385 Wp**

**AXITEC**  
high quality german solar brand

## AXIpremium XLM 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
- Frame** High stability due to innovative frame design
- 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

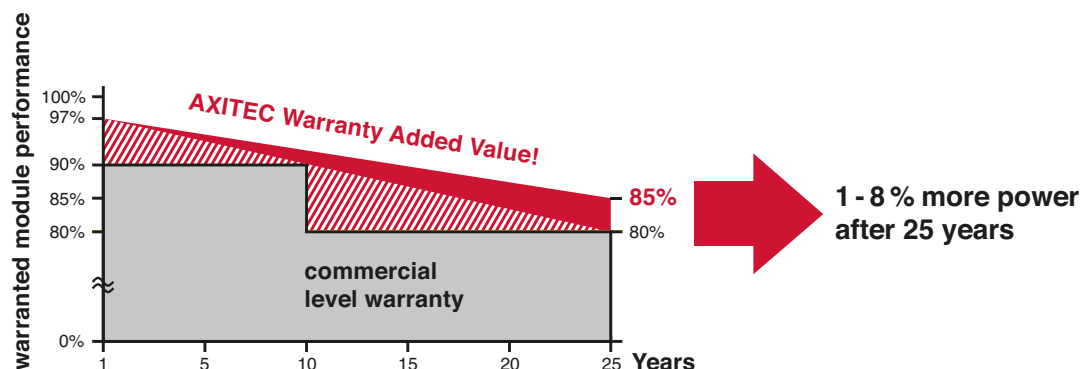


Fig. similar 120MHEN211216A



## AXIpremium XLM HC 360 - 385 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-360MH/120VL	360 Wp	34.10 V	10.56 A	11.25 A	40.60 V	19.27 %
AC-365MH/120VL	365 Wp	34.30 V	10.65 A	11.34 A	40.80 V	19.54 %
AC-370MH/120VL	370 Wp	34.50 V	10.73 A	11.42 A	41.00 V	19.80 %
AC-375MH/120VL	375 Wp	34.70 V	10.81 A	11.51 A	41.20V	20.07 %
AC-380MH/120VL	380 Wp	34.90 V	10.89 A	11.59 A	41.40 V	20.34 %
AC-385MH/120VL	385 Wp	35.10 V	10.97 A	11.67 A	41.60 V	20.61 %

### Design

Frontside	3.2 mm hardened, low-reflection white glass
Cells	120 monocrystalline high efficiency cells
Backside	Composite film
Frame	30 mm silver aluminium frame

### Mechanical data

L x W x H	1776 x 1052 x 30 mm
Weight	19.8 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. 1.2 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

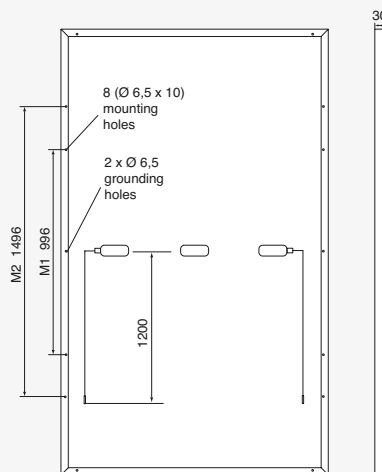
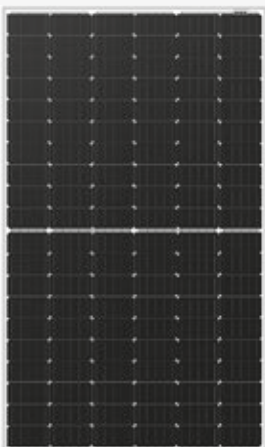
Voltage U <sub>oc</sub>	-0.28 %/K
Current I <sub>sc</sub>	0.04 %/K
Output P <sub>mp</sub>	-0.36 %/K

### Low-light performance (Example for AC-385MH/120VL)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	2.24 A	33.78 V
400 W/m <sup>2</sup>	4.52 A	34.17 V
600 W/m <sup>2</sup>	6.76 A	34.44 V
800 W/m <sup>2</sup>	8.93 A	34.73 V
1000 W/m <sup>2</sup>	10.97 A	35.10 V

### Packaging

Module pieces per pallet	36
Module pieces per HC-container	864



All dimensions in mm