

## AXIpremium XL HC BLK

### 360 - 385 Wp

High performance solar module  
120 halfcell. monocrystalline

#### The advantages:








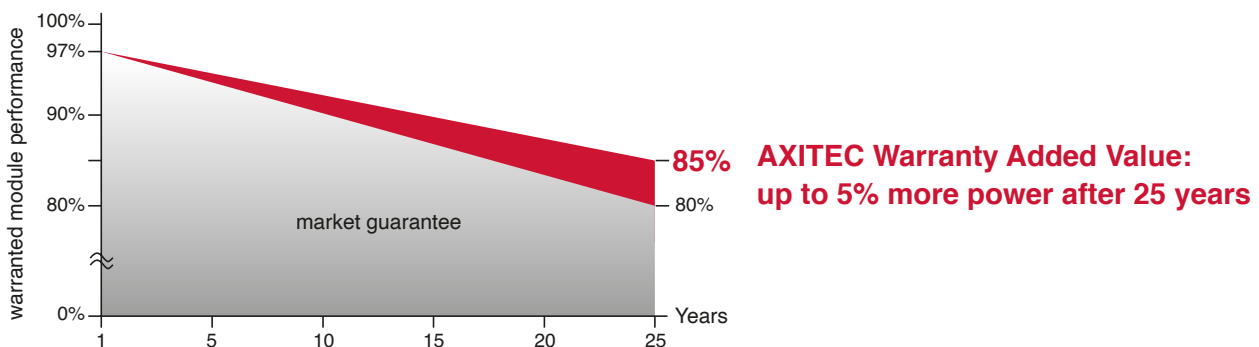
-  15 years Manufacturer's warranty
-  High module performance through Half-Cut-technology and selected materials
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  100% visual electroluminescence inspection in production
-  High stability due to innovative frame design
-  High quality junction box and connector systems
-  25 years Manufacturer's guarantee



Fig. similar 120MHEN20829A

#### Exclusive linear AXITEC high performance guarantee!



## AXIpremium XL HC BLK 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/120VAU	360 Wp	34.10 V	10.56 A	11.25 A	40.60 V	19.76 %
AC-365MH/120VAU	365 Wp	34.30 V	10.65 A	11.34 A	40.80 V	20.04 %
AC-370MH/120VAU	370 Wp	34.50 V	10.73 A	11.42 A	41.00 V	20.31 %
AC-375MH/120VAU	375 Wp	34.70 V	10.81 A	11.51 A	41.20 V	20.59 %
AC-380MH/120VAU	380 Wp	34.90 V	10.89 A	11.59 A	41.40 V	20.86 %
AC-385MH/120VAU	385 Wp	35.10 V	10.97 A	11.67 A	41.60 V	21.13 %

### Design

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

### Mechanical data

L x W x H	1755 x 1038 x 35 mm
Weight	20 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

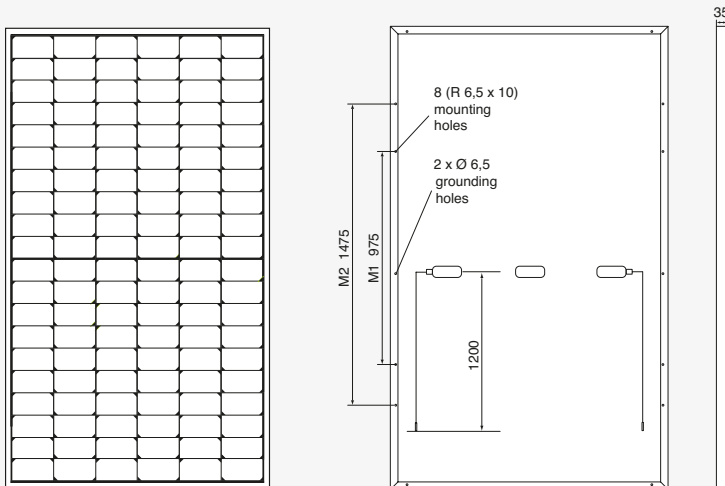


Fig. principle sketch

All dimensions in mm

### 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>mpp</sub>	-0.35 %/K

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

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	30
Module pieces per HC-container	750

