



350 - 370 Wp

## AXIblackpremium XL HC

High performance solar module  
120 halfcell, monocrystalline



German-American-Engineering

The advantages:

- 25 Years** 25 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

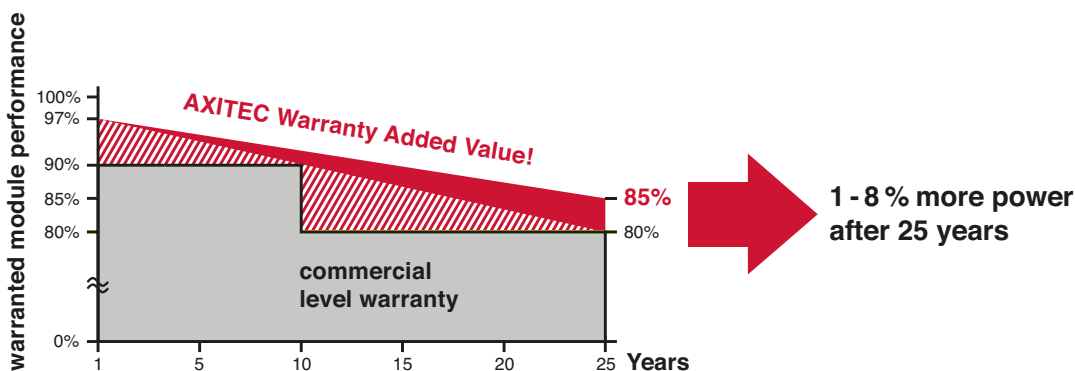
**25 YEARS**  
Warranty & Performance



Fig. similar 120MHUSA210631A

### 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



**ETL** US  
Intertek  
5018214  
Conforms to UL STD No.1703  
Certified to ULC/ORD Std. C1703

# AXIblackpremium XL HC 350 - 370 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-350MH/120VB	350 Wp	33.60 V	10,42 A	11.15 A	40.10 V	19.21 %
AC-355MH/120VB	355 Wp	33.80 V	10,51 A	11.25 A	40.30 V	19.49 %
AC-360MH/120VB	360 Wp	34.00 V	10.59 A	11.35 A	40.50 V	19.76 %
AC-365MH/120VB	365 Wp	34.20 V	10.68 A	11.43 A	40.70 V	20.04 %
AC-370MH/120VB	370 Wp	34.40 V	10.76 A	11.52 A	40.90 V	20.31 %

## Design

Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	120 monocrystalline high efficiency cells
Backside	Composite film
Frame	1.38 inch (35 mm) black aluminium frame

## Mechanical data

L x W x H	69.09 x 40.87 x 1.38 inch (1755 x 1038 x 35 mm)
Weight	42.99 lbs (19.5 kg) with frame

## Mechanical load

Design load (pressure/suction)	75.3 PSF / 33.3 PSF
Test load (pressure/suction)	113 PSF / 50 PSF

## Power connection

Socket	Protection Class IP68
Wire	47.24 inch, AWG 11
Plug-in system	Plug/socket IP68, Stäubli EVO2

## Limit values

System voltage	1500 VDC (UL) 1500 VDC (IEC)
Module Fire Performance	TYPE 1 (UL 1703) or CLASS C (IEC 61730)
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
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(No external voltages greater than Vo 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

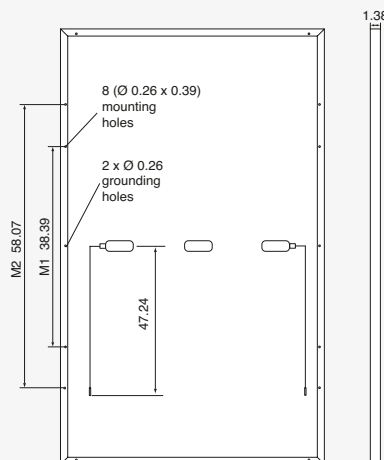
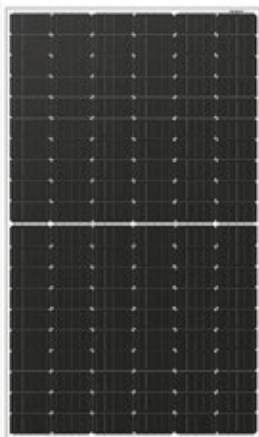
Voltage U <sub>oc</sub>	-0.27 %/K
Current I <sub>sc</sub>	0.048 %/K
Output P <sub>mpp</sub>	-0.35 %/K

## Low-light performance (Example for AC-370MH/120VB)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	2.20 A	33.11 V
400 W/m <sup>2</sup>	4.44 A	33.49 V
600 W/m <sup>2</sup>	6.63 A	33.75 V
800 W/m <sup>2</sup>	8.76 A	34.04 V
1000 W/m <sup>2</sup>	10.76 A	34.40 V

## Packaging

Module pieces per pallet	30
Module pieces per HC-container	780



All dimensions in inch