



320 - 330 Wp

## AXIblackpremium X HC

High performance solar module  
120 cell, full-square, monocrystalline



German-American-Engineering

The advantages:



25 years manufacturer's warranty



Highest module performance through Half-Cut-technology and tested materials



Positive power tolerance from 0-5 Wp  
Higher guaranteed yield



Snow load of up to 113 psf  
Stable module for a long life in extreme conditions



100 % electroluminescence inspection  
Micro crack and hotspot free modules



High quality junction box and connector system for a longer life time

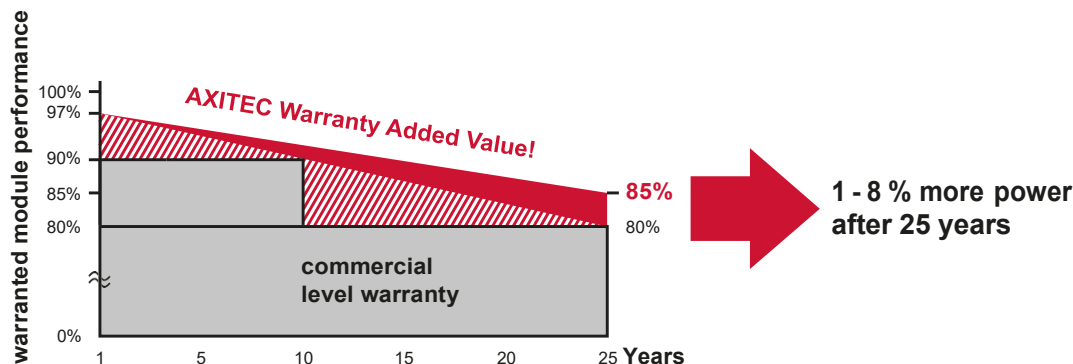
**25 YEARS**  
Warranty & Performance



Fig. similar 120MHUSA201207A

### 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



# AXIblackpremium X HC 320 - 330 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-320MH/120V	320 Wp	34.00 V	9.42 A	9.93 A	40.40 V	18.96 %
AC-325MH/120V	325 Wp	34.20 V	9.51 A	10.02 A	40.60 V	19.26 %
AC-330MH/120V	330 Wp	34.20 V	9.62 A	10.26 A	40.50 V	19.90 %

## 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	66.30 x 39.45 x 1.38 inch (1684 x 1002 x 35 mm)
Weight	45.64 lbs (20.7 kg) with frame

## Power connection

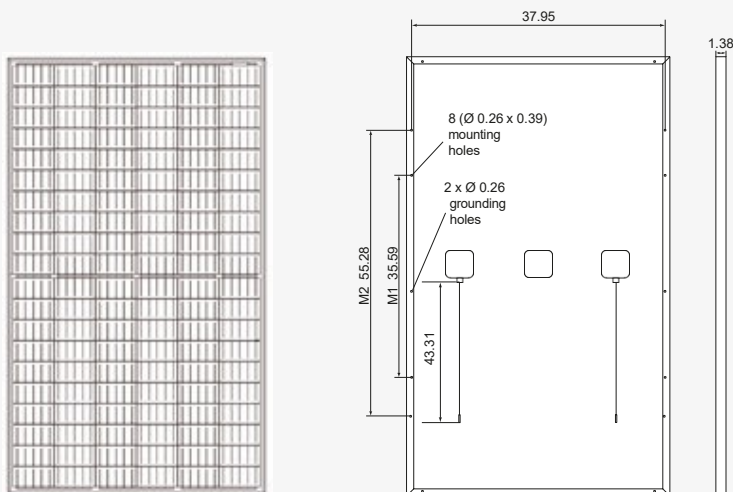
Socket	Protection Class IP68
Wire	43.3 inch, AWG 12
Plug-in system	Plug/socket IP68, Stäubli EVO2

## Limit values

System voltage	1000V/1500V/DC (IEC)
Module Fire Performance	TYPE 1 (UL 1703) or CLASS C (IEC 61730)
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	113 PSF
Reverse current feed IR	20.0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than V<sub>o</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



All dimensions in inch

## Temperature coefficients

Voltage U <sub>oc</sub>	-0.26%/K
Current I <sub>sc</sub>	0.043%/K
Output P <sub>mpp</sub>	-0.36%/K

## Low-light performance (Example for AC-330M/120V)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	1.96 A	33.11 V
400 W/m <sup>2</sup>	3.96 A	33.49 V
600 W/m <sup>2</sup>	5.91 A	33.75 V
800 W/m <sup>2</sup>	7.82 A	34.04 V
1000 W/m <sup>2</sup>	9.60 A	34.40 V

## Packaging

Module pieces per pallet	31
Module pieces per HC-container	806