



320 - 330 Wp

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**AXITEC**<sup>®</sup>  
high quality german solar brand

## AXIblackpremium X HC

120 cell full-square monocrystalline  
High performance solar module

German engineered – made for America








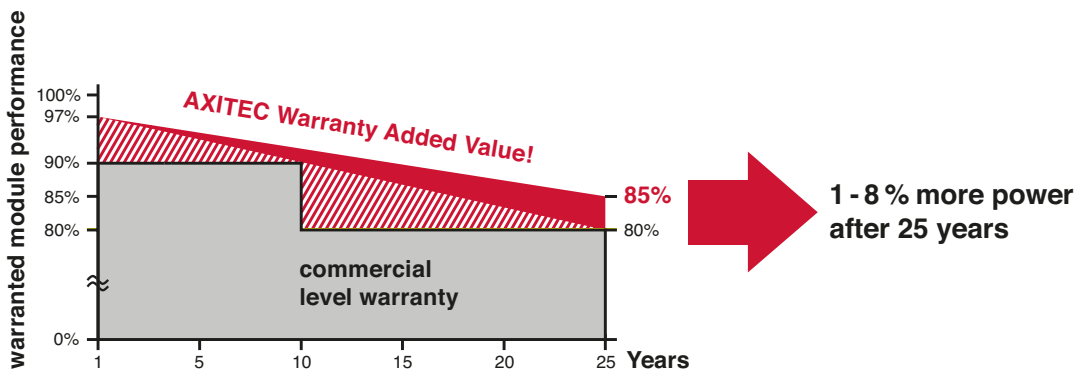
-  15 years manufacturer's warranty  
Five more years than industry standard
-  Highest module performance through  
Half-Cut-technology and tested materials
-  Positive power tolerance from 0-5 Wp  
Higher guaranteed yield
-  Snow load of up to 113 psf  
Stable module for a long life in extreme conditions
-  100 % electroluminescence inspection  
Micro crack and hotspot free modules
-  Axitec-Soft-Grip-Seam aluminum frame  
Higher stability and easier handling
-  High quality junction box and connector  
system for a longer life time



Fig. similar 120MHUSA200421A

### 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



(PHOTOVOLTAIC MODULE  
OVER 600 VOLTS) 5JK4  
E487509

## 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/120S	320 Wp	33.03 V	9.69 A	10.13 A	39.92 V	19.26 %
AC-325MH/120S	325 Wp	32.71 V	9.93 A	10.43 A	40.10 V	19.26 %
AC-330MH/120S	330 Wp	32.91 V	10.02 A	10.51 A	40.27 V	19.56 %

### 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	41.89 lbs (19.0 kg) with frame

### Power connection

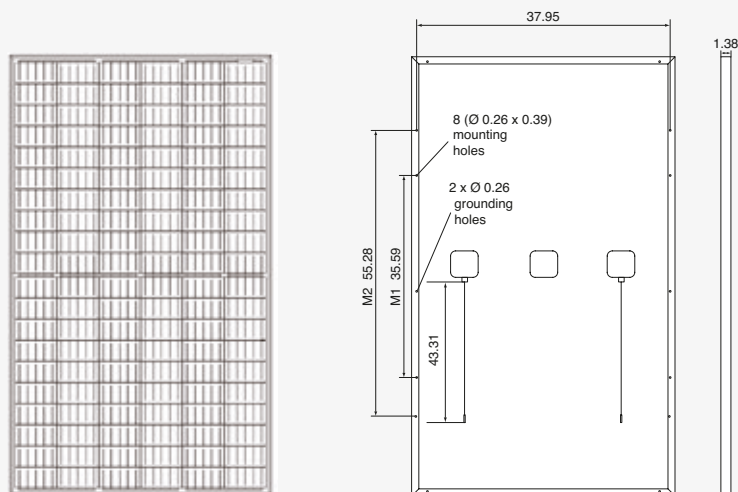
Socket	Protection Class IP68
Wire	43.3 inch, AWG 11
Plug-in system	Plug/socket IP68, Stäubli MC4

### Limit values

System voltage	1000 VDC (UL) 1000 VDC (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>	-0.29 %/K
Current I <sub>sc</sub>	0.04 %/K
Output P <sub>mpp</sub>	-0.39 %/K

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

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	2.04 A	31.10 V
400 W/m <sup>2</sup>	4.12 A	31.90 V
600 W/m <sup>2</sup>	6.18 A	32.32 V
800 W/m <sup>2</sup>	8.24 A	32.45 V
1000 W/m <sup>2</sup>	10.02 A	32.91 V

### Packaging

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