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AXITEC®
high quality german solar brand

325 - 335 Wp

AXIpremium X HC BLK

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

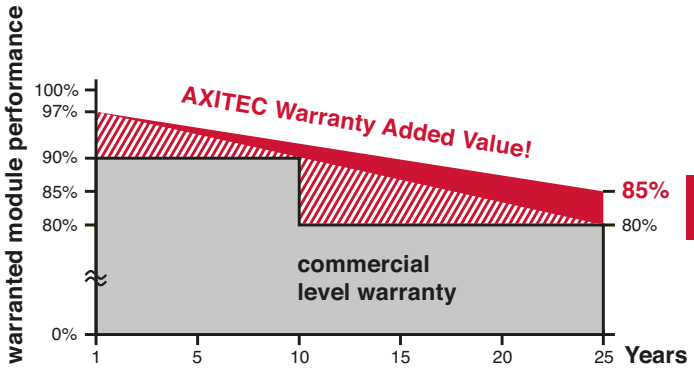
High quality junction box and connector
system for a longer life time



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



1 - 8 % more power after 25 years

c UL us LISTED
(PHOTOVOLTAIC MODULE OVER 600 VOLTS) 5JK4
E487509

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Electrical data (at standard conditions (STC) irradiance 1000 watt/m², spectrum AM 1.5 at a cell temperature of 25°C)

Type	Nominal output Pmpp	Nominal voltage Umpp	Nominal current Impp	Short circuit current Isc	Open circuit voltage Uoc	Module conversion efficiency
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 %
AC-335MH/120S	335 Wp	33.11 V	10.11 A	10.60 A	40.44 V	19.85 %

Design

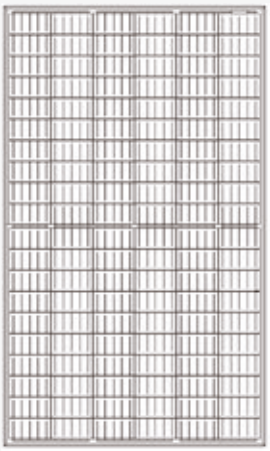
Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	120 monocrystalline high efficiency cells
Backside	Composite film
Frame	1.38 inch (35 mm) black aluminium frame

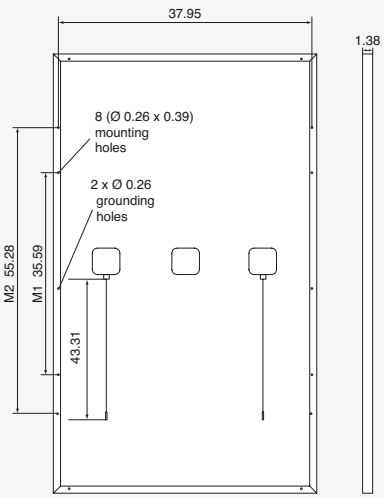
Mechanical data

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





All dimensions in inch

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 Vo may be applied to the module)

* NOCT, irradiance 800 W/m²; AM 1.5; wind speed 1 m/s; Temperature 20°C

Temperature coefficients

Voltage Uoc	-0.29 %/K
Current Isc	0.04 %/K
Output Pmpp	-0.39 %/K

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

I-U characteristic curve	Current Ipp	Voltage Upp
200 W/m²	2.04 A	31.10 V
400 W/m²	4.12 A	31.90 V
600 W/m²	6.18 A	32.32 V
800 W/m²	8.24 A	32.45 V
1000 W/m²	10.02 A	32.91 V

Packaging

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

Technical data are subject to change without prior notice, errors excepted. The measurement tolerances are +/-3%. Please be aware: All technical data provided in our data sheets are property of Axitec LLC and intended for information purposes for our customers only. We cannot accept any guarantee of completeness or accuracy. These data are prohibited for any kind of commercial use.