



320 - 330 Wp

www.axitecsolar.us

AXITEC[®]
high quality german solar brand

AXIblackpremium X HC

120 cell full-square monocrystalline
High performance solar module

German engineered – made for America

- 15** Years 15 years manufacturer's warranty
Five more years than industry standard
- HC** Highest module performance through
Half-Cut-technology and tested materials
- Wp** Positive power tolerance from 0-5 Wp
Higher guaranteed yield
- 113 PSF** Snow load of up to 113 psf
Stable module for a long life in extreme conditions
- 100%** 100 % electroluminescence inspection
Micro crack and hotspot free modules
- Soft Grip** Axitec-Soft-Grip-Seam aluminum frame
Higher stability and easier handling
- IP 68** High quality junction box and connector
system for a longer life time

25 YEARS
Warranty &
Performance

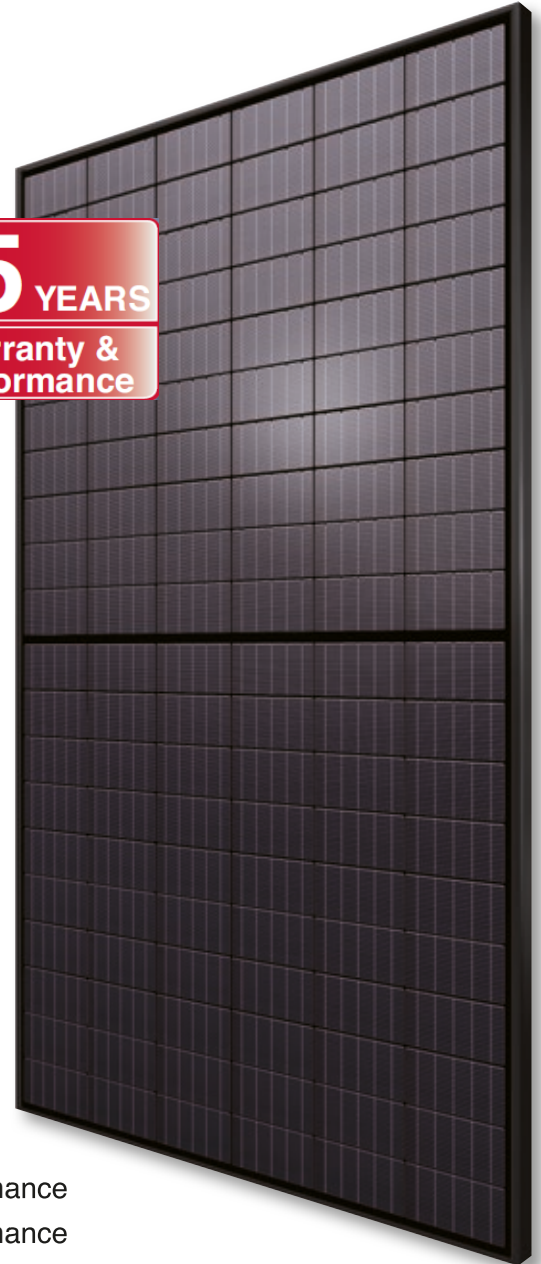
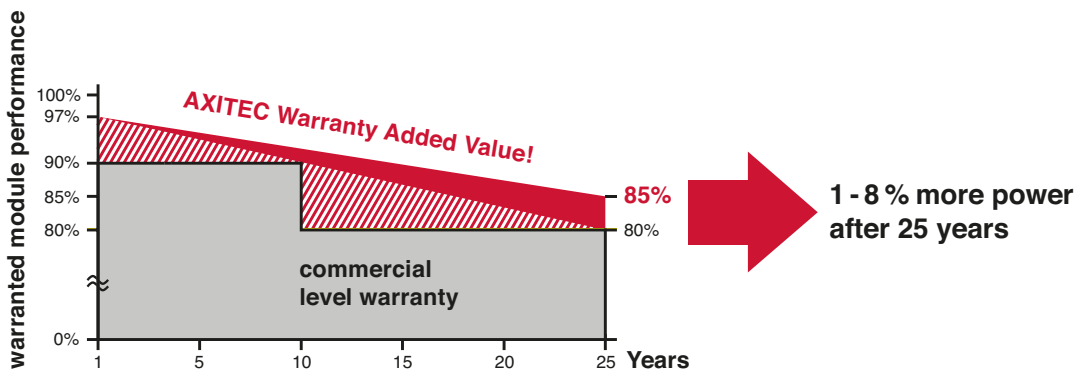


Fig. similar 120MHUSA200421A

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/m², spectrum AM 1.5 at a cell temperature of 25°C)

Type	Nominal output P _{mpp}	Nominal voltage U _{mpp}	Nominal current I _{mpp}	Short circuit current I _{sc}	Open circuit voltage U _{oc}	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

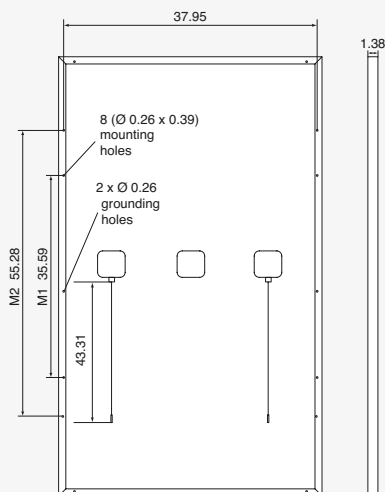
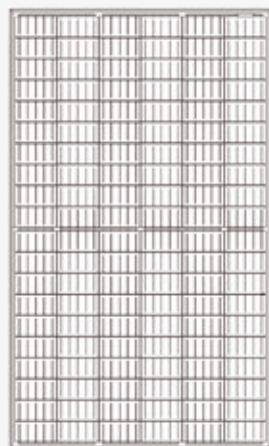
Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	120 monocrystalline high efficiency cells
Backside	Composite film
Frame	1.38 inch (35 mm) black aluminium frame

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



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 V_o 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 U _{oc}	-0.29 %/K
Current I _{sc}	0.04 %/K
Output P _{mpp}	-0.39 %/K

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

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

Packaging

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