

AXIblackpremium XL HC 350 - 370 Wp

High performance solar module
120 halfcell, monocrystalline



German-American-Engineering

The advantages:



25 years Manufacturer's warranty



High module performance through Half-Cut-technology and selected materials



Guaranteed positive power tolerance from 0-5 Wp by individual measurement



100 % visual electroluminescence inspection in production



High stability due to innovative frame design

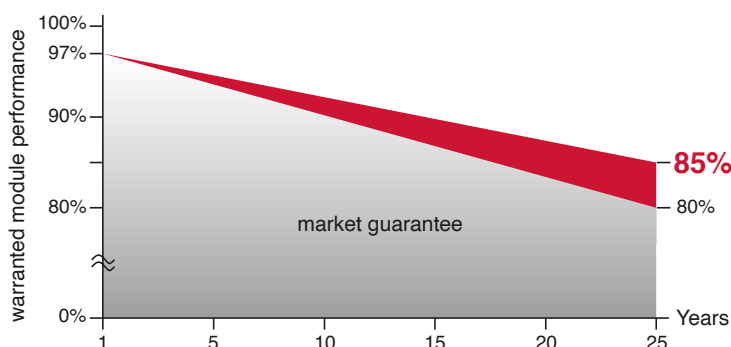


High quality junction box and connector systems



Fig. similar 120MHUSA220912A

Exclusive linear AXITEC high performance guarantee!



85% AXITEC Warranty Added Value: up to 5% more power after 25 years



60447

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/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-350MH/120V	350 Wp	33.60 V	10,42 A	11.15 A	40.10 V	19.21 %
AC-355MH/120V	355 Wp	33.80 V	10,51 A	11.25 A	40.30 V	19.49 %
AC-360MH/120V	360 Wp	34.00 V	10.59 A	11.35 A	40.50 V	19.76 %
AC-365MH/120V	365 Wp	34.20 V	10.68 A	11.43 A	40.70 V	20.04 %
AC-370MH/120V	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	1.18 inch (30 mm) black aluminium frame

Mechanical data

L x W x H	69.09 x 40.87 x 1.18 inch (1755 x 1038 x 30 mm)
Weight	42.55 lbs (19.3 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/m²; AM 1.5; wind speed 1 m/s; Temperature 20°C

Temperature coefficients

Voltage U _{oc}	-0.27 %/K
Current I _{sc}	0.048 %/K
Output P _{mpp}	-0.35 %/K

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

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

Packaging

Module pieces per pallet	35
Module pieces per HC-container	910

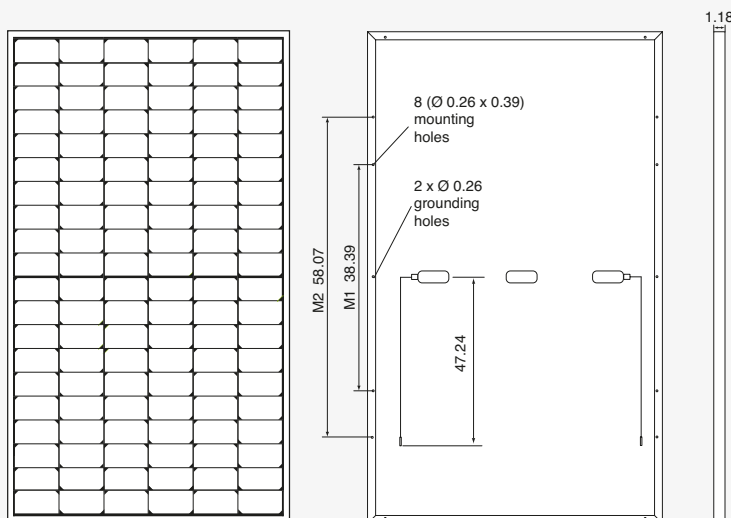


Fig. principle sketch

All dimensions in inch