

## AXIpremium X HC BLK 320 - 345 Wp

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

### The advantages:








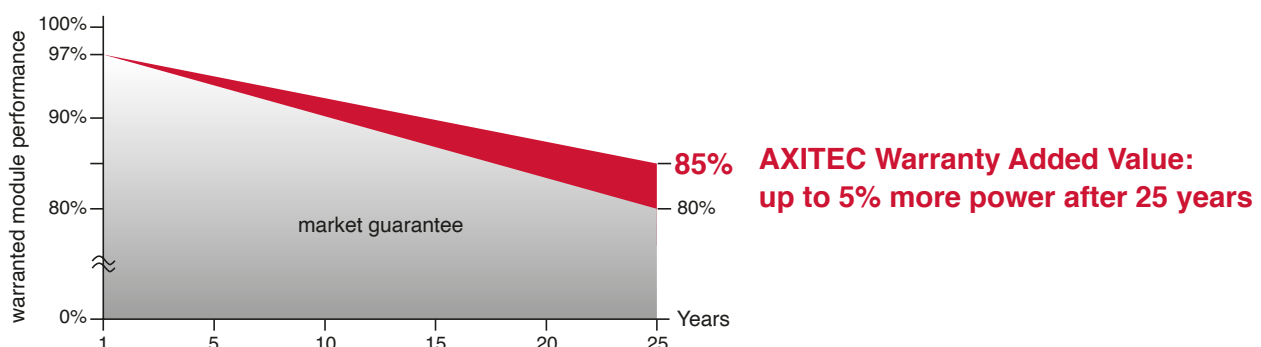
-  15 years Manufacturer's warranty
-  High module performance through Half-Cut-technology and selected materials
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  100% visual electroluminescence inspection in production
-  High stability due to innovative frame design
-  High quality junction box and connector systems
-  25 years Performance guarantee



Fig. similar 120MHDE230117A

### Exclusive linear AXITEC high performance guarantee!



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**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	33.21 V	9.64 A	10.11 A	40.25 V	18.96 %
AC-325MH/120V	325 Wp	33.45 V	9.73 A	10.18 A	40.37 V	19.26 %
AC-330MH/120V	330 Wp	33.74 V	9.79 A	10.25 A	40.49 V	19.56 %
AC-335MH/120V	335 Wp	33.98 V	9.87 A	10.31 A	40.65 V	19.85 %
AC-340MH/120V	340 Wp	34.19 V	9.96 A	10.39 A	40.82 V	20.15 %
AC-345MH/120V	345 Wp	34.45 V	10.02 A	10.47 A	40.98 V	20.45 %

### Design

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

### Mechanical data

L x W x H	1684 x 1002 x 35 mm
Weight	19.0 kg with frame

### Mechanical load

Design load (pressure/suction)	3600 Pa / 1600 Pa
Test load (pressure/suction)	5400 Pa / 2400 Pa

### Power connection

Socket	Protection Class IP68
Wire	approx. 1.1 m, 4 mm <sup>2</sup>
Plug-in system	Plug/socket IP68, Stäubli EVO2 / EVO2 pluggable

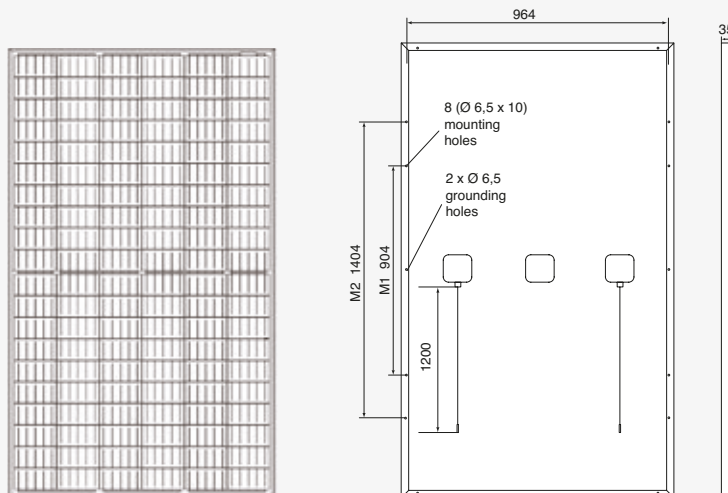


Fig. principle sketch

All dimensions in mm

### Limit values

System voltage	1500 VDC
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 U<sub>oc</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

### 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-345MH/120V)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	2.05 A	33.15 V
400 W/m <sup>2</sup>	4.13 A	33.54 V
600 W/m <sup>2</sup>	6.17 A	33.80 V
800 W/m <sup>2</sup>	8.16 A	34.09 V
1000 W/m <sup>2</sup>	10.02 A	34.45 V

### Packaging

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

