



**325 - 345 Wp**

**AXITEC**  
high quality german solar brand

## AXIworldpremium X HC

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

The advantages:

- 15** Years 15 years Manufacturer's warranty
- HC** High module performance through Half-Cut-technology and selected materials
- + Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 100%** 100% visual electroluminescence inspection in production
- IP 68** High quality junction box and connector systems



**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

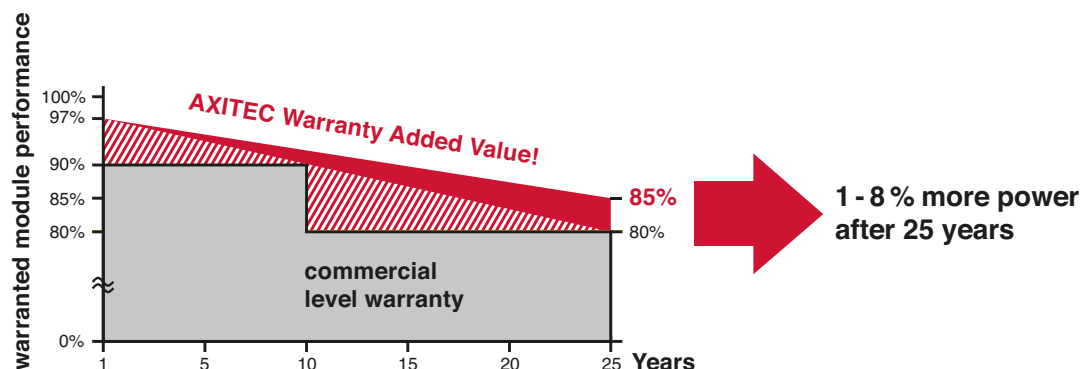


Fig. similar 120MHEN210622A-77/3

## AXIworldpremium X HC 325 - 345 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-325MH/120V	325 Wp	33.45 V	9.73 A	10.18 A	40.37 V	19.32 %
AC-330MH/120V	330 Wp	33.74 V	9.79 A	10.25 A	40.49 V	19.62 %
AC-335MH/120V	335 Wp	33.98 V	9.87 A	10.31 A	40.65 V	19.91 %
AC-340MH/120V	340 Wp	34.19 V	9.96 A	10.39 A	40.82 V	20.21 %
AC-345MH/120V	345 Wp	34.45 V	10.02 A	10.47 A	40.98 V	20.51 %

### Design

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

### Mechanical data

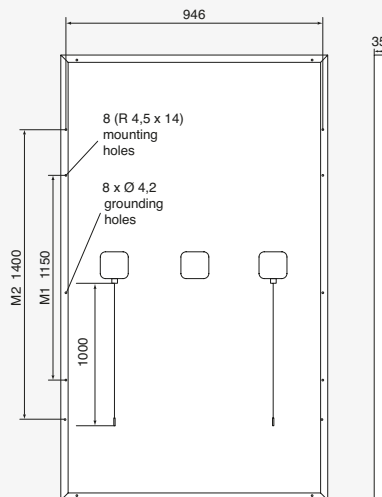
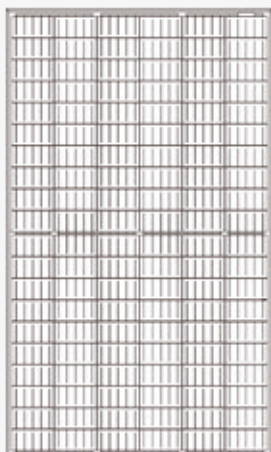
L x W x H	1689 x 996 x 35 mm
Weight	18.7 kg with frame

### 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. 1.0 m, 4 mm <sup>2</sup>
Plug-in system	Plug/socket IP68



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

(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