



320 - 345 Wp

AXITEC
high quality german solar brand

AXIpremium X HC

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

The advantages:

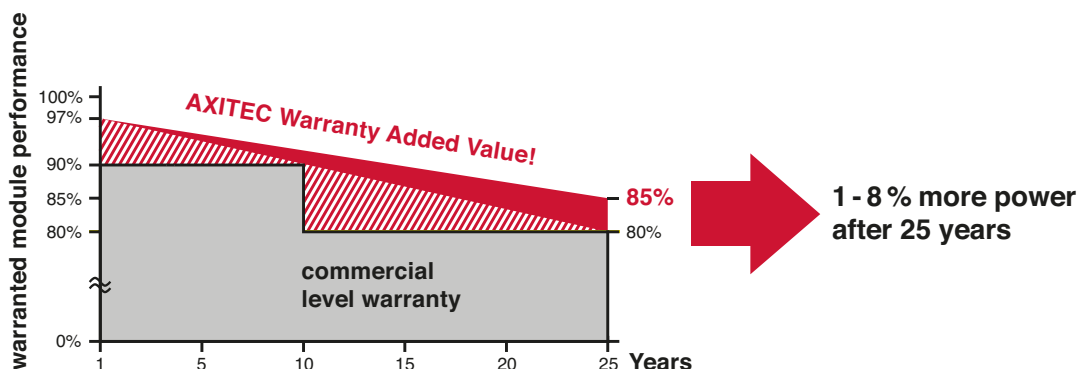
- 15** Years 15 years Manufacturer's warranty
- HC** High module performance through Half-Cut-technology and selected materials
- Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 100%** 100% visual electroluminescence inspection in production
- Frame** High stability due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



Fig. similar
120MHEN210203A

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



AXIpremium X HC 320 - 345 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/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 silver 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 ²
Plug-in system	Plug/socket IP68, Stäubli EVO2 / EVO2 pluggable

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_{oc} may be applied to the module)

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

Temperature coefficients

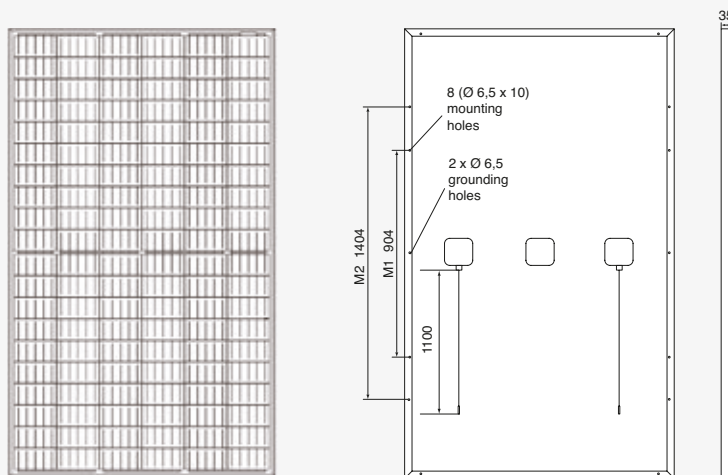
Voltage U _{oc}	-0.29 %/K
Current I _{sc}	0.04 %/K
Output P _{mpp}	-0.39 %/K

Low-light performance (Example for AC-345MH/120V)

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

Packaging

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



All dimensions in mm