



330 - 345 Wp

AXITEC
high quality german solar brand

AXIprotect X HC MB

High performance solar module
120 halfcell, glass/glass, monocrystalline

The advantages:

- 15** Years 15 years manufacturer's warranty
- HC** Highest module performance through Half-Cut-technology and selected materials
- PID less** Less PID through glass/glass-technology
- + 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



Exclusive linear AXITEC high performance guarantee!

- 15 years manufacturer's guarantee on 90% of the nominal performance
- 30 years manufacturer's guarantee on 82.5% of the nominal performance

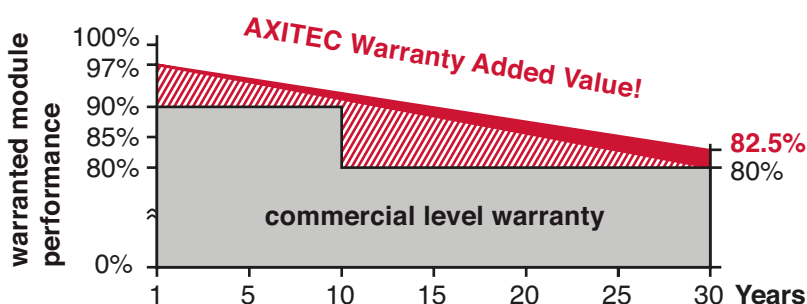


Fig. similar 120MBENZ10414A

AXIprotect X HC MB 330 - 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-330MG/120V	330 Wp	33.74 V	9.79 A	10.25 A	40.49 V	19.21 %
AC-335MG/120V	335 Wp	33.98 V	9.87 A	10.31 A	40.65 V	19.50 %
AC-340MG/120V	340 Wp	34.19 V	9.96 A	10.39 A	40.82 V	19.79 %
AC-345MG/120V	345 Wp	34.45 V	10.02 A	10.47 A	40.98 V	20.09 %

Design

Frontside	2.0 mm hardened, low-reflection white glass
Backside	2.0 mm hardened, low-reflection white glass
Cells	120 monocrystalline high efficiency cells
Film	Composite film (black)
Frame	30 mm black aluminium frame

Mechanical data

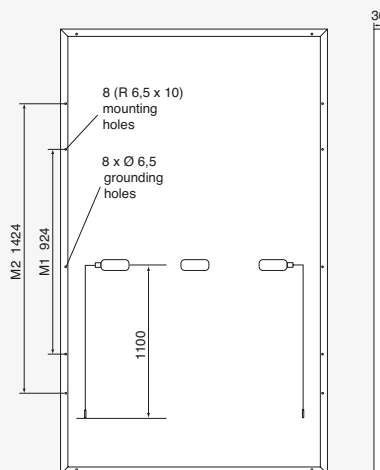
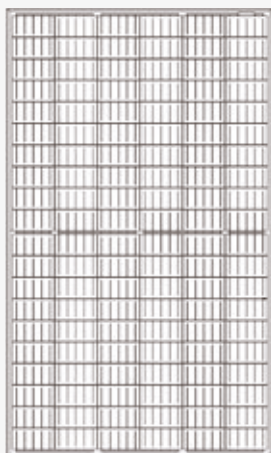
L x W x H	1704 x 1008 x 30 mm
Weight	22.5 kg with frame

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



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_{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 _{mp}	-0.39 %/K

Low-light performance (Example for AC-345MG/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	33.60 V
600 W/m ²	6.18 A	33.78 V
800 W/m ²	8.17 A	34.06 V
1000 W/m ²	10.02 A	34.45 V

Packaging

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