



330 - 345 Wp

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 tested materials
- PID free** PID-free through glass/glass-technology
- + Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 5,400 Pa** Maximum 5400 Pa snow load
- 100%** 100% electroluminescence inspection
- 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

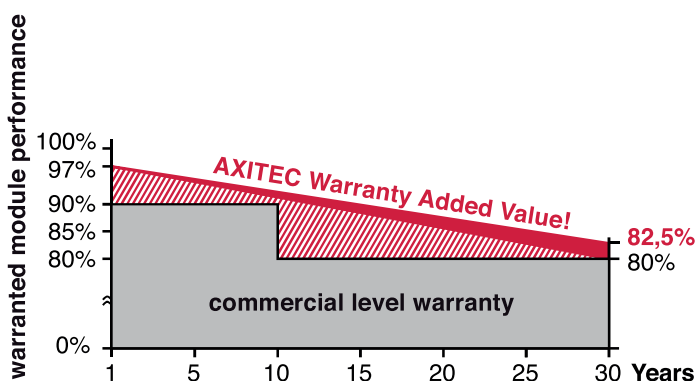


Fig. similar 120MBEN201019A

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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

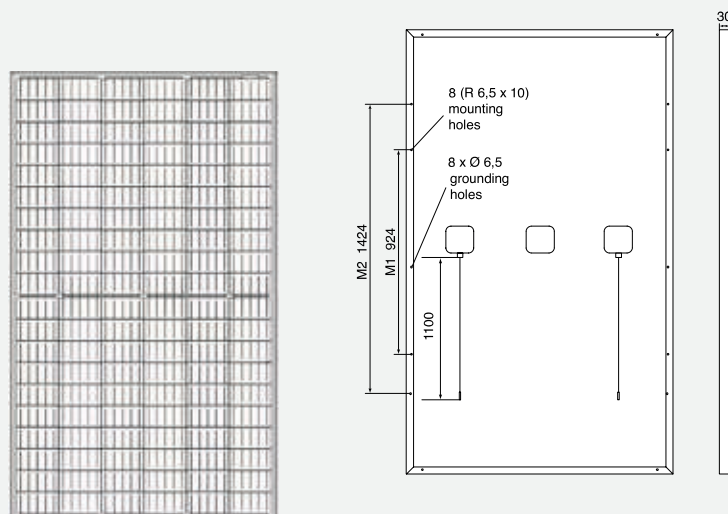
Frontside	2,0 mm hardened, low-reflection white glass
Backside	2,0 mm hardened, low-reflection white glass
Cells	120 monocrystalline high efficiency cells
Film	Composite film (black)
Frame	30 mm black aluminium frame

Mechanical data

L x W x H	1704 x 1008 x 30 mm
Weight	22,5 kg with frame

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
Max. load-carrying capacity	5400 N/m ²
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-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