



350 - 370 Wp

AXITEC
high quality german solar brand

AXIprotect XL HC MB

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

The advantages:

- 15** Years 15 years manufacturer's warranty
- HC** High 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

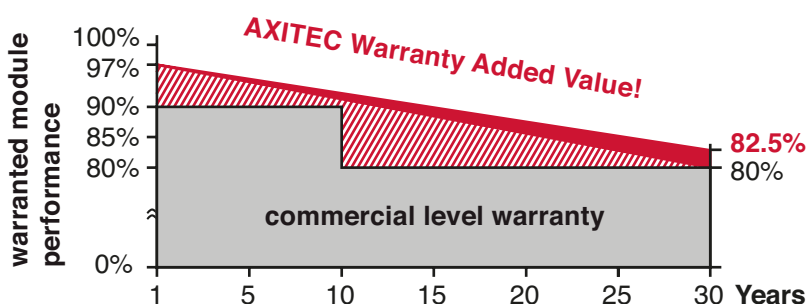


Fig. similar 120MBENZ10621A

AXIprotect XL HC MB 350 - 370 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-350MG/120V	350 Wp	33.30 V	10.52 A	11.02 A	40.50 V	19.21 %
AC-355MG/120V	355 Wp	33.50 V	10.60 A	11.10 A	40.70 V	19.49 %
AC-360MG/120V	360 Wp	33.70 V	10.69 A	11.20 A	40.90 V	19.76 %
AC-365MG/120V	365 Wp	33.90 V	10.77 A	11.28 A	41.10 V	20.04 %
AC-370MG/120V	370 Wp	34.10 V	10.86 A	11.37 A	41.30 V	20.31 %

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

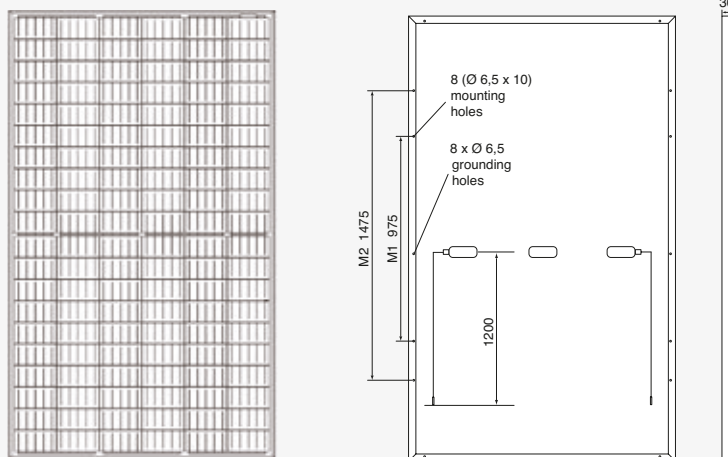
L x W x H	1755 x 1038 x 30 mm
Weight	23.5 kg with frame

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. 1.2 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}	0.048 %/K
Output P _{mp}	-0.35 %/K

Low-light performance

 (Example for AC-370MG/120V)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2.22 A	32.82 V
400 W/m ²	4.48 A	33.00 V
600 W/m ²	6.63 A	33.26 V
800 W/m ²	8.84 A	33.74 V
1000 W/m ²	10.86 A	34.10 V

Packaging

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