



350 - 370 Wp

AXITEC
high quality german solar brand

AXIbiprotect XL HC BLK

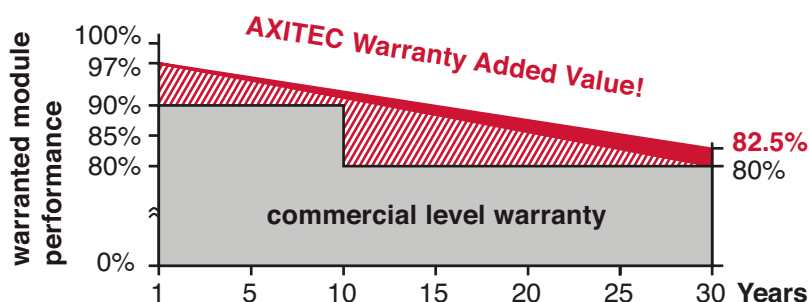
High performance bifacial solar module
120 halfcell, glass/glass, monocrystalline

The advantages:

- 15** Years 15 years Manufacturer's warranty
- +25%** Up to 25 % more power output by Bifacial-Technology
- 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
- Safe** Increased safety trough improved fire protection
- Frame** High stability due to innovative frame design

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



AXIbiprotect XL HC BLK 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	AC-350MB/120V	AC-355MB/120V	AC-360MB/120V	AC-365MB/120V	AC-370MB/120V
Nominal output	350 Wp	355 Wp	360 Wp	365 Wp	370 Wp
Nominal voltage U _{mpp}	33.30 V	33.50 V	33,70 V	33.90 V	34.10 V
Nominal current I _{mpp}	10.52 A	10.60 A	10.69 A	10.77 A	10.86 A
Short circuit current I _{sc}	11.02 A	11.10 A	11.20 A	11.28 A	11.37 A
Open circuit voltag U _{oc}	40.50 V	40.70 V	40.90 V	41.10 V	41.30 V
Module conversion efficiency	19.21 %	19.49 %	19.76 %	20.04 %	20.31 %

Bifacial output - Backside Power gain

	AC-350MB/120V	AC-355MB/120V	AC-360MB/120V	AC-365MB/120V	AC-370MB/120V
10% Power output	385.00 Wp	390.50 Wp	396.00 Wp	401.50 Wp	407.00 Wp
Module Efficiency	21.13 %	21.44 %	21.74 %	22.04 %	22.34 %
15% Power output	402.50 Wp	408.25 Wp	414.00 Wp	419.75 Wp	425.50 Wp
Module Efficiency	22.09 %	22.41 %	22.73 %	23.04 %	23.36 %
20% Power output	420.00 Wp	426.00 Wp	432.00 Wp	438.00 Wp	444.00 Wp
Module Efficiency	23.06 %	23.38 %	23.71 %	24.04 %	24.37 %
25% Power output	437.50 Wp	443.75 Wp	450.00 Wp	456.25 Wp	462.50 Wp
Module Efficiency	24.02 %	24.36 %	24.70 %	25.05 %	25.39 %

Design

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

Mechanical data

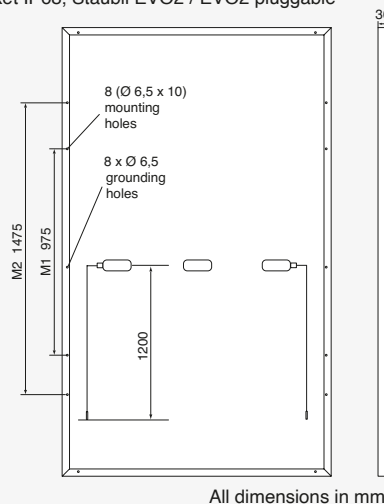
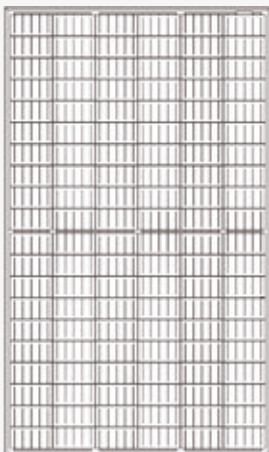
L x W x H	1755x 1038 x 30 mm
Weight	23.5 kg with frame

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



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

Bifaciality	70 % ± 10 %
-------------	-------------

(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 _{mpp}	-0.35 %/K

Low-light performance without Bifacial-effect

(Example for AC-370MB/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	33.20 V
600 W/m ²	6.69 A	33.46 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