



395 - 410 Wp

AXIworldprotect XXL HC MT BLK

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

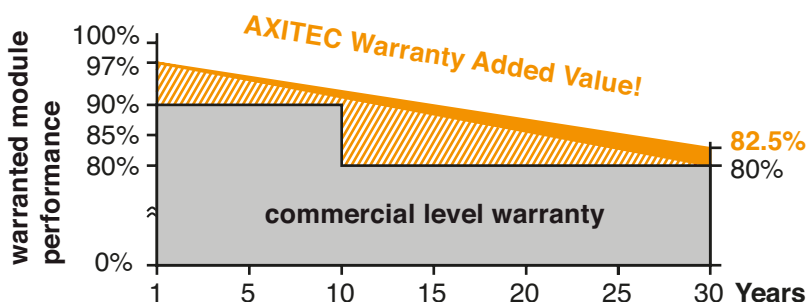
The advantages:

- 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
- 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



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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-395MG/108V	395 Wp	31.00 V	12.75 A	13.65 A	36.90 V	20.25 %
AC-400MG/108V	400 Wp	31.20 V	12.83 A	13.73 A	37.10 V	20.50 %
AC-405MG/108V	405 Wp	31.40 V	12.90 A	13.81 A	37.30 V	20.75 %
AC-410MG/108V	410 Wp	31.60 V	12.98 A	13.88 A	37.50 V	21.01 %

Design

Frontside	2.0 mm hardened, low-reflection white glass
Backside	2.0 mm hardened, low-reflection white glass
Cells	108 monocrystalline high efficiency cells
Film	Composite film (transparent)
Frame	35 mm black aluminium frame

Mechanical data

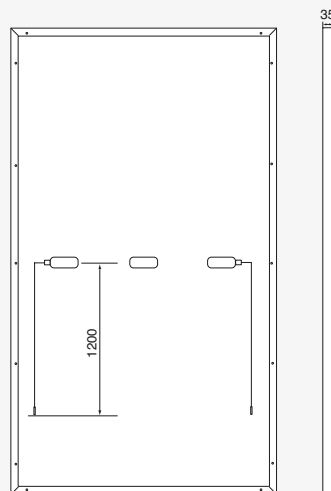
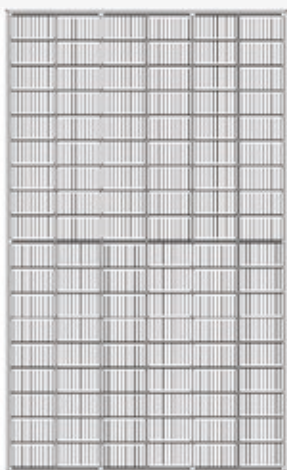
L x W x H	1722 x 1133 x 35 mm
Weight	26.0 kg with frame

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. 1.2 m, 4 mm ²
Plug-in system	Plug/socket IP68, Stäubli EVO2



All dimensions in mm

Limit values

System voltage	1500 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Reverse current feed IR	25.0 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}	-0.28 %/K
Current I _{sc}	0.045 %/K
Output P _{mp}	-0.35 %/K

Low-light performance (Example for AC-410MG/108V)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2.65 A	30.41 V
400 W/m ²	5.35 A	30.76 V
600 W/m ²	8.00 A	31.00 V
800 W/m ²	10.57 A	31.27 V
1000 W/m ²	12.98 A	31.60 V