

AXIblackpremium XXL HC 380 - 400 Wp

High performance solar module
108 halfcell, monocrystalline

The advantages:








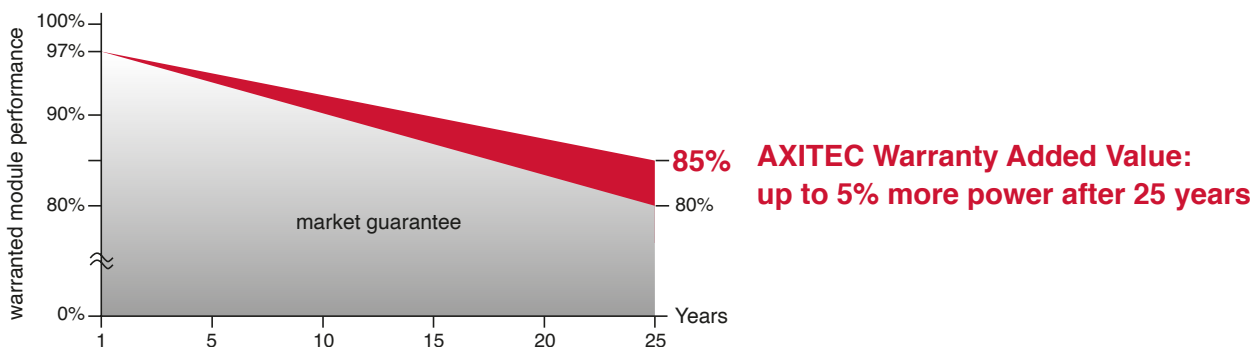
-  15 years Manufacturer's warranty
-  High module performance through Half-Cut-technology and selected materials
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  100% visual electroluminescence inspection in production
-  High stability due to innovative frame design
-  High quality junction box and connector systems
-  25 years Manufacturer's guarantee



Fig. similar 08MHEN220801A

Exclusive linear AXITEC high performance guarantee!



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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-380MH/108V	380 Wp	30.40 V	12.51 A	13.40 A	36.30 V	19.46 %
AC-385MH/108V	385 Wp	30.60 V	12.59 A	13.48 A	36.50 V	19.72 %
AC-390MH/108V	390 Wp	30.80 V	12.67 A	13.56 A	36.70 V	19.97 %
AC-395MH/108V	395 Wp	31.00 V	12.75 A	13.65 A	36.90 V	20.23 %
AC-400MH/108V	400 Wp	31.20 V	12.83 A	13.73 A	37.10 V	20.48 %

Design

Frontside	3.2 mm hardened, low-reflection white glass
Cells	108 monocrystalline high efficiency cells
Backside	Composite film
Frame	30 mm black aluminium frame

Mechanical data

L x W x H	1722 x 1134 x 30 mm
Weight	21.8 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

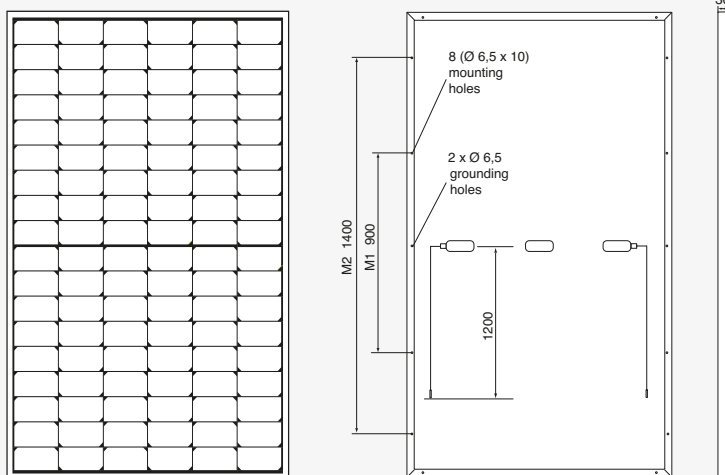


Fig. principle sketch

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 _{mpp}	-0.35 %/K

Low-light performance (Example for AC-400MH/108V)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2.62 A	30.03 V
400 W/m ²	5.29 A	30.37 V
600 W/m ²	7.90 A	30.61 V
800 W/m ²	10.45 A	30.87 V
1000 W/m ²	12.83 A	31.20 V

Packaging

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

