



340 - 365 Wp

AXIblackpremium XL HC

120 halfcell monocrystalline
High performance solar module

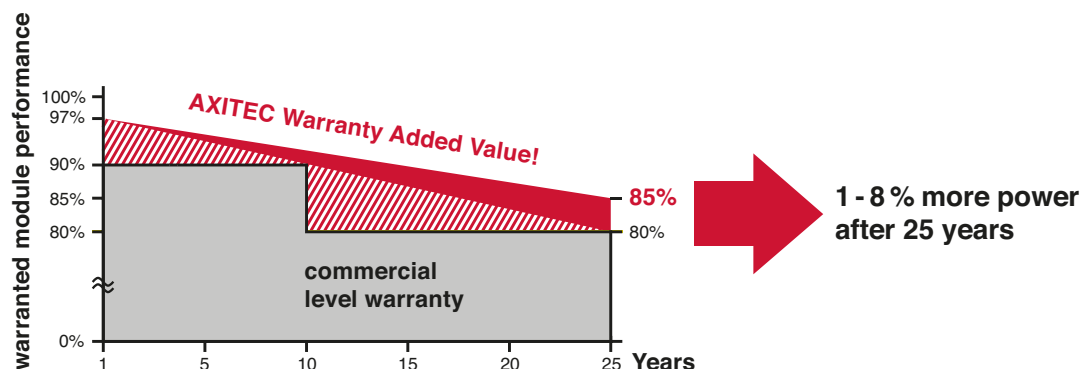
The advantages:

- 15** Years 15 years manufacturer's warranty
- HC** Highest module performance through Half-Cut-technology and tested materials
- Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 5.400 Pa** Maximum 5400 Pa snow load
- 100%** 100% electroluminescence inspection
- Soft Grip** High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
- 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
- 25 years manufacturer's guarantee on 85% of the nominal performance





AXIblackpremium XL HC 340 - 365 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-340MH/120V	340 Wp	32,89 V	10,34 A	10,85 A	40,03 V	18,20 %
AC-345MH/120V	345 Wp	33,09 V	10,43 A	10,94 A	40,28 V	18,47 %
AC-350MH/120V	350 Wp	33,30 V	10,52 A	11,02 A	40,50 V	18,73 %
AC-355MH/120V	355 Wp	33,49 V	10,61 A	11,12 A	40,72 V	19,00 %
AC-360MH/120V	360 Wp	33,69 V	10,69 A	11,22 A	40,92 V	19,27 %
AC-365MH/120V	365 Wp	33,89 V	10,78 A	11,30 A	41,12 V	19,54 %

Design

Frontside	3,2 mm hardened, low-reflection white glass
Cells	120 monocrystalline high efficiency cells
Backside	Composite film
Frame	35 mm black aluminium frame

Mechanical data

L x W x H	1776 x 1052 x 35 mm
Weight	20,0 kg with frame

Power connection

Socket	Protection Class IP68
Wire	approx. 1,2 m, 4 mm ²
Plug-in system	Plug/socket IP68, Stäubli MC4 / MC4 pluggable

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}	-0,28 %/K
Current I _{sc}	0,04 %/K
Output P _{mpp}	-0,36 %/K

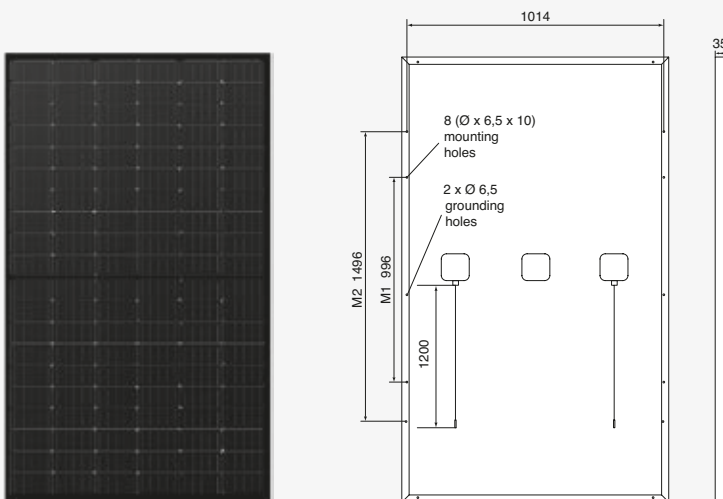
Low-light performance

 (Example for AC-360MH/120V)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2,14 A	68,14 V
400 W/m ²	4,32 A	141,52 V
600 W/m ²	6,47 A	214,87 V
800 W/m ²	8,63 A	287,90 V
1000 W/m ²	10,69 A	360,15 V

Packaging

Module pieces per pallet	30
Module pieces per HC-container	720



All dimensions in mm