



320 - 330 Wp

AXIworldpremium X HC

120 halfcell full-square monocrystalline
High performance solar module

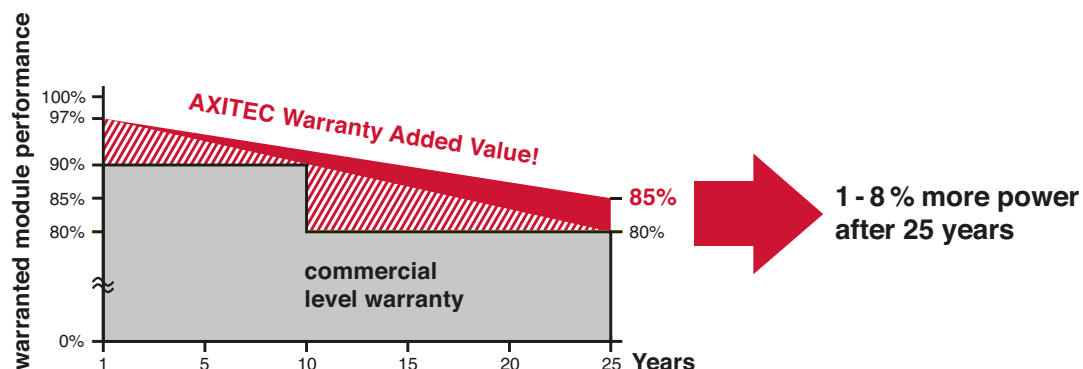
The advantages:

- 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
- IP 67** 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





AXIworldpremium X HC 320 - 330 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-320MH/120V	320 Wp	33,21 V	9,64 A	10,11 A	40,25 V	18,98 %
AC-325MH/120V	325 Wp	33,45 V	9,73 A	10,18 A	40,37 V	19,28 %
AC-330MH/120V	330 Wp	33,74 V	9,79 A	10,25 A	40,49 V	19,57 %

Design

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

Mechanical data

L x W x H	1686 x 1000 x 35 mm
Weight	19,5 kg with frame

Power connection

Socket	Protection Class IP67
Wire	approx. 1,1 m, 4 mm ²
Plug-in system	Plug/socket IP67, 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)

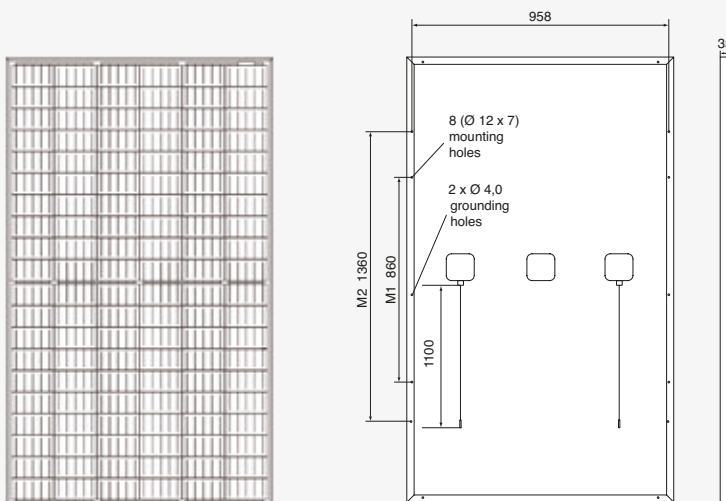
* NOCT, irradiance 800 W/m²; AM 1,5; wind speed 1 m/s; Temperature 20°C

Temperature coefficients

Voltage U _{oc}	-0,29 %/K
Current I _{sc}	0,04 %/K
Output P _{mpp}	-0,39 %/K

Low-light performance (Example for AC-330MH/120V)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2,02 A	31,47 V
400 W/m ²	4,32 A	32,71 V
600 W/m ²	6,17 A	33,50 V
800 W/m ²	7,99 A	33,68 V
1000 W/m ²	9,79 A	33,74 V



All dimensions in mm