



330 - 345 Wp

25
YEARS
85%



AXIpower HC

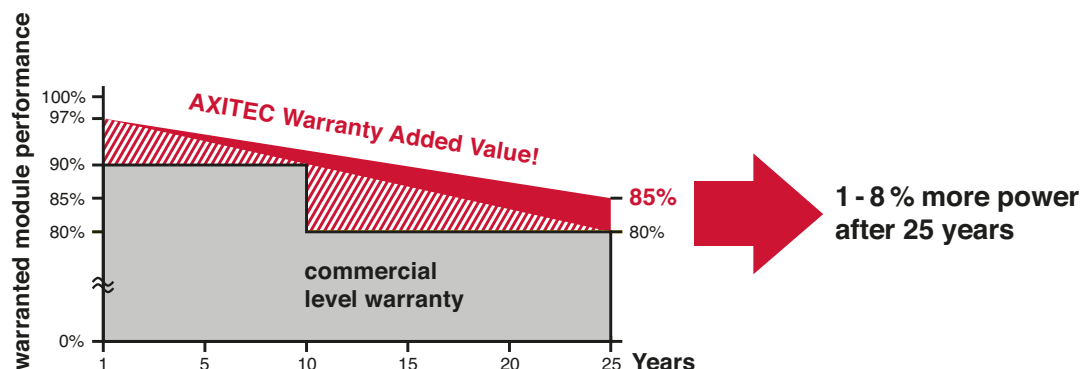
144 halfcell polycrystalline
High performance solar module

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
- 2.400 Pa** Maximum 2400 Pa snow load
- 100%** 100% electroluminescence inspection
- 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



AXIpower HC 330 - 345 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-330PH/144S	330 Wp	38,02 V	8,69 A	9,20 A	45,51 V	16,63 %
AC-335PH/144S	335 Wp	38,24 V	8,77 A	9,28 A	45,69 V	16,89 %
AC-340PH/144S	340 Wp	38,41 V	8,86 A	9,36 A	45,90 V	17,14 %
AC-345PH/144S	345 Wp	38,62 V	8,94 A	9,44 A	46,11 V	17,39 %

Design

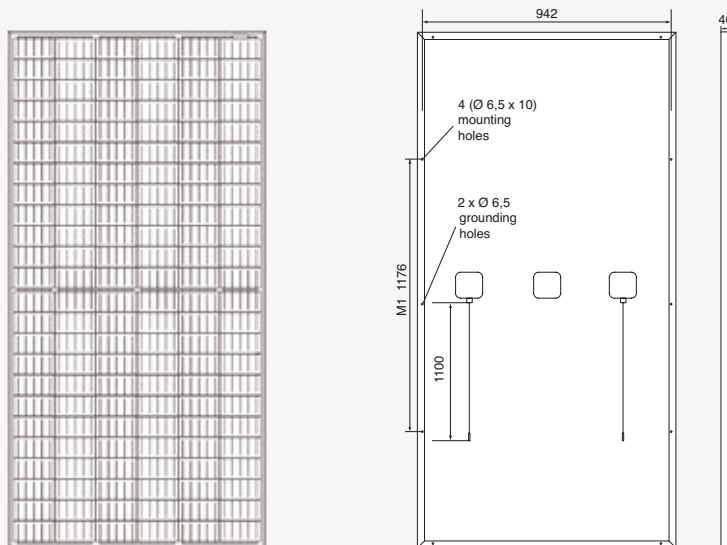
Frontside	3,2 mm hardened, low-reflection white glass
Cells	144 polycrystalline high efficiency cells
	156,75 mm x 78,38 mm
Backside	Composite film
Frame	40 mm silver aluminium frame

Mechanical data

L x W x H	2000 x 992 x 40 mm
Weight	22,6 kg with frame

Power connection

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



All dimensions in mm

Limit values

System voltage	1000 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	2400 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}	-0,30 %/K
Current I _{sc}	0,04 %/K
Output P _{mpp}	-0,40 %/K

Low-light performance (Example for AC-335PH/144S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	1,77 A	36,71 V
400 W/m ²	3,53 A	36,94 V
600 W/m ²	5,29 A	37,10 V
800 W/m ²	7,03 A	37,34 V
1000 W/m ²	8,77 A	38,24 V

Packaging

Module pieces per pallet	25
Module pieces per HC-container	550