



## 370 - 390 Wp

**25**  
YEARS  
**85%**



## AXIpremium HC

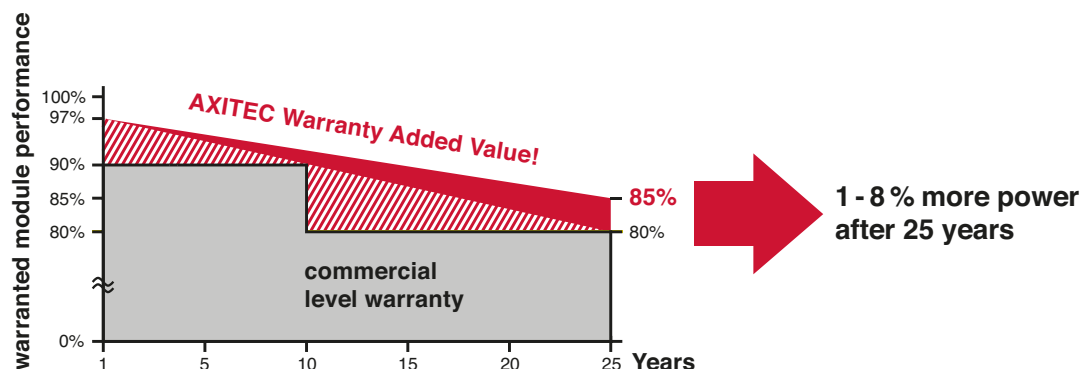
144 halfcell monocrystalline  
High performance solar module

### 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
- 2.400 Pa** Maximum 2400 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



## AXIpremium HC 370 - 390 Wp

**Electrical data** (at standard conditions (STC) irradiance 1000 watt/m<sup>2</sup>, spectrum AM 1,5 at a cell temperature of 25°C)

Type	Nominal output P <sub>mpp</sub>	Nominal voltage U <sub>mpp</sub>	Nominal current I <sub>mpp</sub>	Short circuit current I <sub>sc</sub>	Open circuit voltage U <sub>oc</sub>	Module conversion efficiency
AC-370MH/144S	370 Wp	39,60 V	9,35 A	9,85 A	47,40 V	18,65 %
AC-375MH/144S	375 Wp	39,81 V	9,43 A	9,93 A	47,61 V	18,90 %
AC-380MH/144S	380 Wp	40,02 V	9,50 A	10,01 A	47,80 V	19,15 %
AC-385MH/144S	385 Wp	40,24 V	9,58 A	10,10 A	48,11 V	19,41 %
AC-390MH/144S	390 Wp	40,50 V	9,64 A	10,21 A	48,30 V	19,66 %

### Design

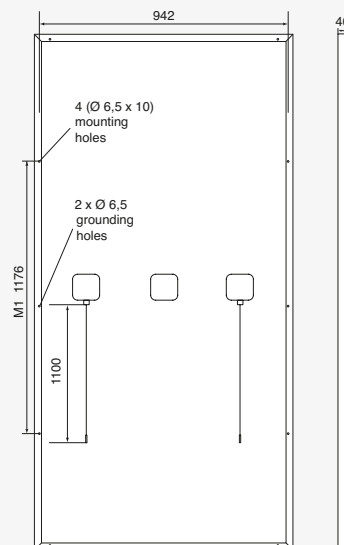
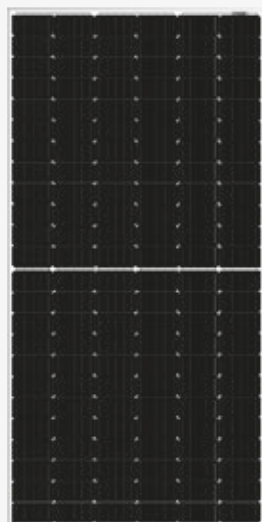
Frontside	3,2 mm hardened, low-reflection white glass
Cells	144 monocrystalline high efficiency cells 156,75 mm x 78,38 mm
Backside	Composite film
Frame	40 mm silver aluminium frame

### 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 <sup>2</sup>
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 <sup>2</sup>
Reverse current feed IR	20,0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than U<sub>oc</sub> may be applied to the module)

\* NOCT, irradiance 800 W/m<sup>2</sup>; AM 1,5;  
wind speed 1 m/s; Temperature 20°C

### Temperature coefficients

Voltage U <sub>oc</sub>	-0,29 %/K
Current I <sub>sc</sub>	0,04 %/K
Output P <sub>mpp</sub>	-0,39 %/K

### Low-light performance (Example for AC-370MH/144S)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	1,86 A	37,85 V
400 W/m <sup>2</sup>	3,80 A	38,20 V
600 W/m <sup>2</sup>	5,69 A	38,45 V
800 W/m <sup>2</sup>	7,61 A	38,70 V
1000 W/m <sup>2</sup>	9,35 A	39,60 V

### Packaging

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