



310 - 340 Wp

25
YEARS
85%



AXIworldpower

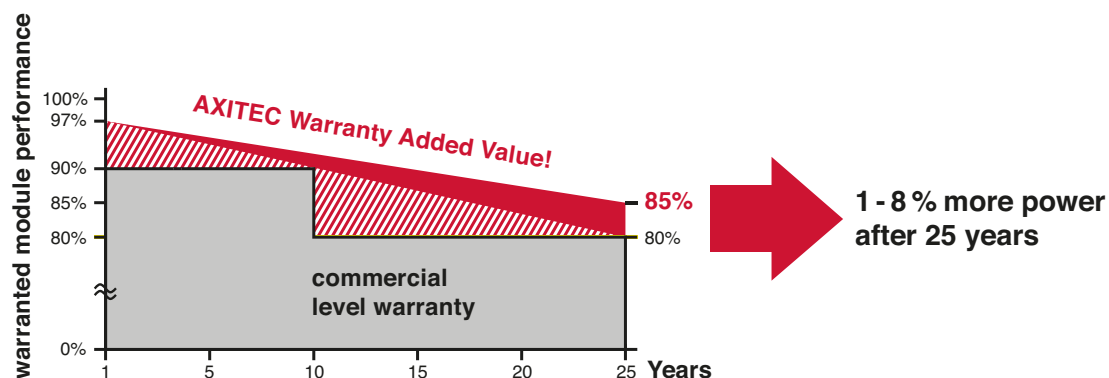
72 cell polycrystalline
High performance solar module

The advantages:

- 15** Years 15 years manufacturer's warranty
- P-Max** Highest performance due to specifically selected technologies and 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 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



AXIworldpower 310 - 340 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-310P/72S	310 Wp	37,16 V	8,36 A	8,82 A	45,58 V	15,98 %
AC-315P/72S	315 Wp	37,28 V	8,45 A	8,91 A	45,60 V	16,23 %
AC-320P/72S	320 Wp	37,56 V	8,52 A	9,03 A	45,82 V	16,49 %
AC-325P/72S	325 Wp	37,66 V	8,63 A	9,15 A	45,92 V	16,75 %
AC-330P/72S	330 Wp	37,82 V	8,73 A	9,28 A	46,97 V	17,01 %
AC-335P/72S	335 Wp	37,98 V	8,38 A	9,30 A	46,45 V	17,26 %
AC-340P/72S	340 Wp	38,16 V	8,91 A	9,40 A	46,61 V	17,52 %

Design

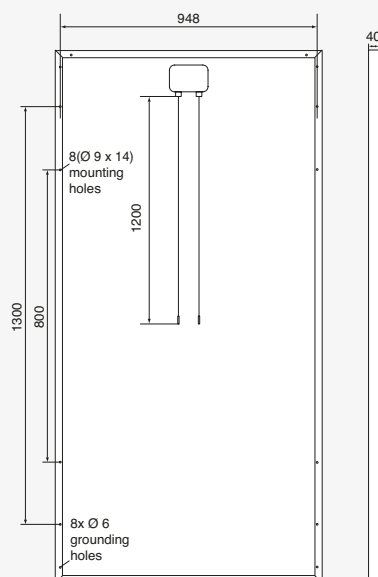
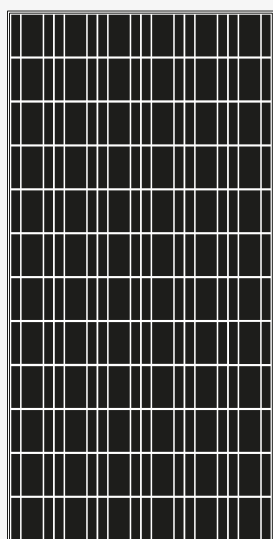
Frontside	3,2 mm hardened, low-reflection white glass
Cells	72 polycrystalline high efficiency cells 156,75 mm x 156,75 mm (6")
Backside	Composite film
Frame	40 mm silver aluminium frame

Mechanical data

L x W x H	1960 x 990 x 40 mm
Weight	21,5 kg with frame

Power connection

Socket	Protection Class IP67 (3/6 bypass diodes)
Wire	approx. 1,2 m, 4 mm ²
Plug-in system	Plug/socket IP67



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	15,0 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-320P/72S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	1,80 A	35,97 V
400 W/m ²	3,07 A	35,99 V
600 W/m ²	5,51 A	36,91 V
800 W/m ²	6,95 A	37,32 V
1000 W/m ²	8,52 A	37,56 V