



310 - 330 Wp

AXITEC
high quality german solar brand

AXIworldpremium X

High performance solar module
60 cell, full-square, monocrystalline

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
- 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

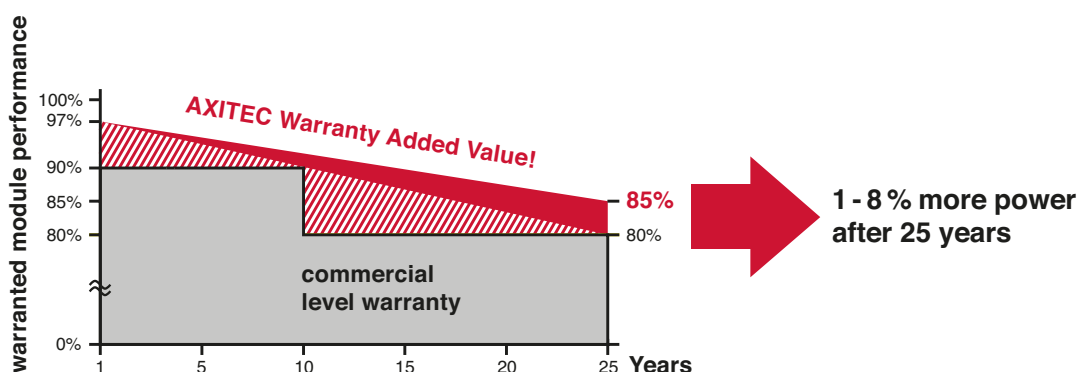


Fig. similar 60MEN201102A-77/2

AXIworldpremium X 310 - 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-310M/60S	310 Wp	32,51 V	9,54 A	9,94 A	39,90 V	18,78 %
AC-315M/60S	315 Wp	32,79 V	9,61 A	10,03 A	40,16 V	19,09 %
AC-320M/60S	320 Wp	32,94 V	9,73 A	10,13 A	40,58 V	19,39 %
AC-325M/60S	325 Wp	33,10 V	9,84 A	10,20 A	40,84 V	19,69 %
AC-330M/60S	330 Wp	33,33 V	9,91 A	10,28 A	41,02 V	20,00 %

Design

Frontside	3,2 mm hardened, low-reflection white glass
Cells	60 monocrystalline high efficiency cells
Backside	Composite film
Frame	35 mm silver aluminium frame

Mechanical data

L x W x H	1657 x 996 x 35 mm
Weight	18,4 kg with frame

Power connection

Socket	Protection Class IP67
Wire	approx. 1,0 m, 4 mm ²
Plug-in system	Plug/socket IP67, Stäubli MC4 / MC4 pluggable

Limit values

System voltage	1000 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

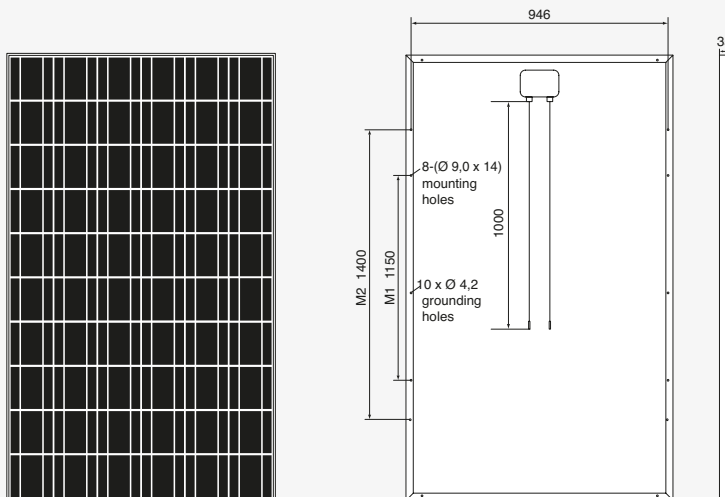
Temperature coefficients

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

Low-light performance

 (Example for AC-330M/60S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2,02 A	32,08 V
400 W/m ²	4,09 A	32,45 V
600 W/m ²	6,10 A	32,70 V
800 W/m ²	8,07 A	32,98 V
1000 W/m ²	9,91 A	33,33 V



All dimensions in mm