



320 - 340 Wp

AXITEC
high quality german solar brand

AXIworldblackpremium X

High performance solar module
60 cell full-square, monocrystalline

The advantages:



15 years manufacturer's warranty



Highest performance due to specifically selected technologies and materials



Guaranteed positive power tolerance from 0-5 Wp by individual measurement



Maximum 5400 Pa snow load



100 % electroluminescence inspection



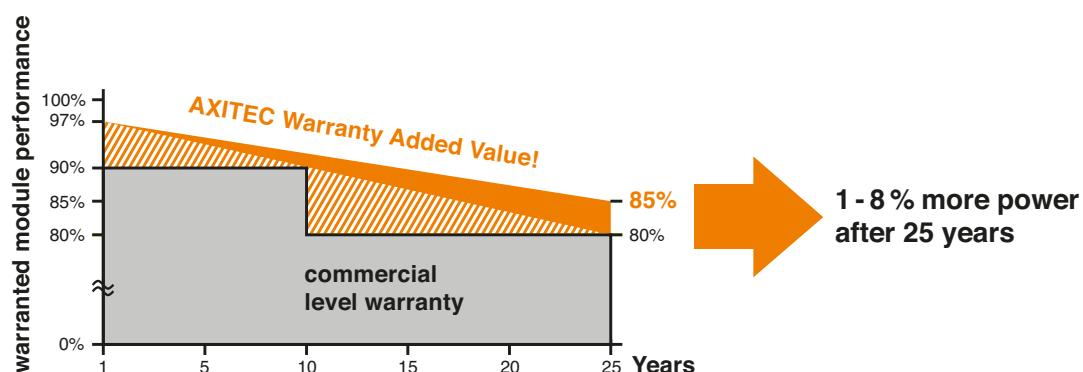
High quality junction box and connector systems



GERMAN BRAND

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



AXIworldblackpremium X 320 - 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-320M/60S	320 Wp	32,94 V	9,73 A	10,13 A	40,58 V	19,12 %
AC-325M/60S	325 Wp	33,10 V	9,84 A	10,20 A	40,84 V	19,42 %
AC-330M/60S	330 Wp	33,33 V	9,91 A	10,28 A	41,02 V	19,72 %
AC-335M/60S	335 Wp	33,48 V	10,02 A	10,35 A	41,28 V	20,02 %
AC-340M/60S	340 Wp	33,65 V	10,13 A	10,43 A	41,56 V	20,33 %

Design

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

Mechanical data

L x W x H	1665 x 1005 x 35 mm
Weight	18,5 kg with frame

Power connection

Socket	Protection Class IP67, MC4
Wire	approx. 0,9 m, 4 mm ²
Plug-in system	Plug/socket IP67

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	16,0 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)

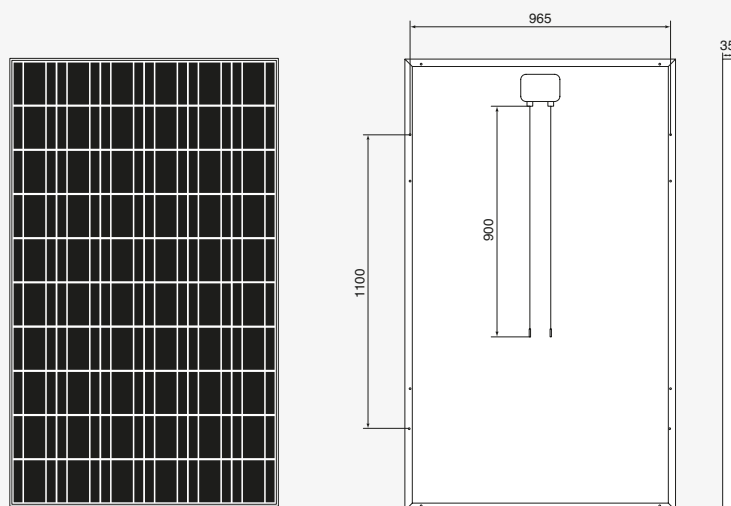
* NOCT, irradiance 800 W/m²; AM 1,5; wind speed 1 m/s; Temperature 20°C

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-340M/60S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2,07 A	32,38 V
400 W/m ²	4,18 A	32,76 V
600 W/m ²	6,24 A	33,01 V
800 W/m ²	8,25 A	33,30 V
1000 W/m ²	10,13 A	33,65 V



All dimensions in mm