



320 - 340 Wp

AXITEC
high quality german solar brand

AXIworldblackpremium X

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

The advantages:

- 15** Years 15 years manufacturer's warranty
- P-Max** Highperformance due to selected technologies and materials
- + Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 100%** 100% visual electroluminescence inspection in production
- 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

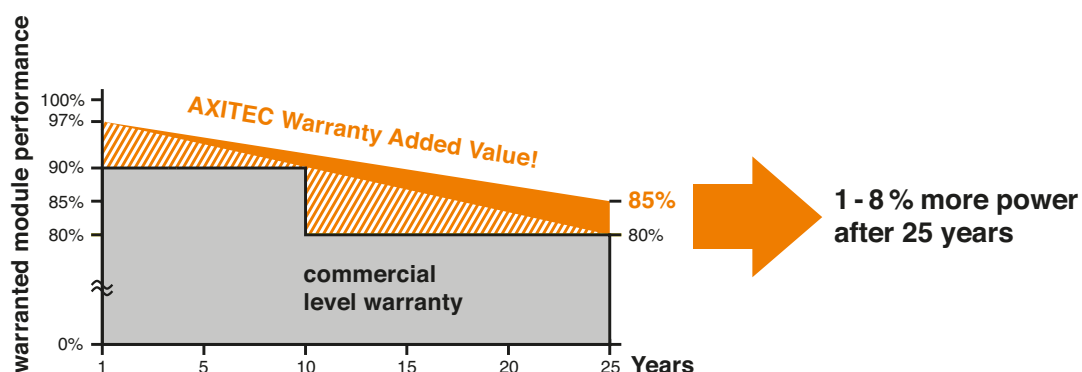


Fig. similar 60MENE10408G-120/1

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/60V	320 Wp	32.94 V	9.73 A	10.13 A	40.58 V	19.12 %
AC-325M/60V	325 Wp	33.10 V	9.84 A	10.20 A	40.84 V	19.42 %
AC-330M/60V	330 Wp	33.33 V	9.91 A	10.28 A	41.02 V	19.72 %
AC-335M/60V	335 Wp	33.48 V	10.02 A	10.35 A	41.28 V	20.02 %
AC-340M/60V	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

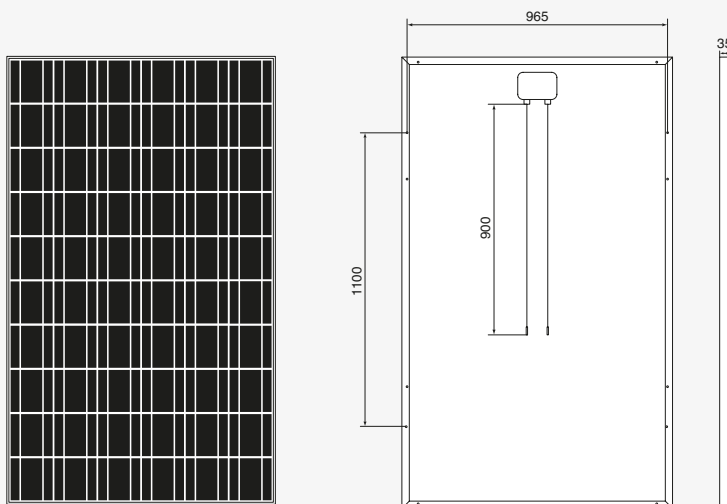
L x W x H	1665 x 1005 x 35 mm
Weight	18.5 kg with frame

Mechanical load

Design load (pressure/suction)	3600 Pa / 1600 Pa
Test load (pressure/suction)	5400 Pa / 2400 Pa

Power connection

Socket	Protection Class IP67, MC4
Wire	approx. 0.9 m, 4 mm ²
Plug-in system	Plug/socket IP67



All dimensions in mm

Limit values

System voltage	1500 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
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/60V)

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