



380 - 400 Wp

www.axitecsolar.com

AXITEC
high quality german solar brand

AXIpremium X

72 cell full-square monocrystalline
High performance solar module

25
YEARS
85%

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%

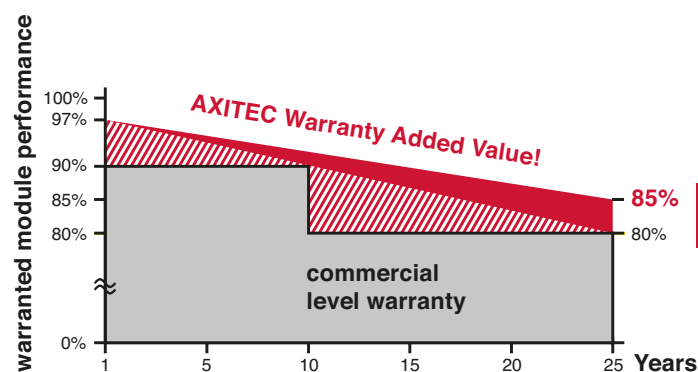
100 % electroluminescence inspection

IP 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



**1 - 8 % more power
after 25 years**



AXIpremium X 380 - 400 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-380M/72S	380 Wp	40,38 V	9,42 A	10,04 A	48,36 V	19,16 %
AC-385M/72S	385 Wp	40,64 V	9,48 A	10,12 A	48,59 V	19,42 %
AC-390M/72S	390 Wp	40,91 V	9,54 A	10,20 A	48,82 V	19,67 %
AC-395M/72S	395 Wp	41,15 V	9,61 A	10,29 A	49,05 V	19,92 %
AC-400M/72S	400 Wp	41,40 V	9,67 A	10,37 A	49,28 V	20,17 %

Design

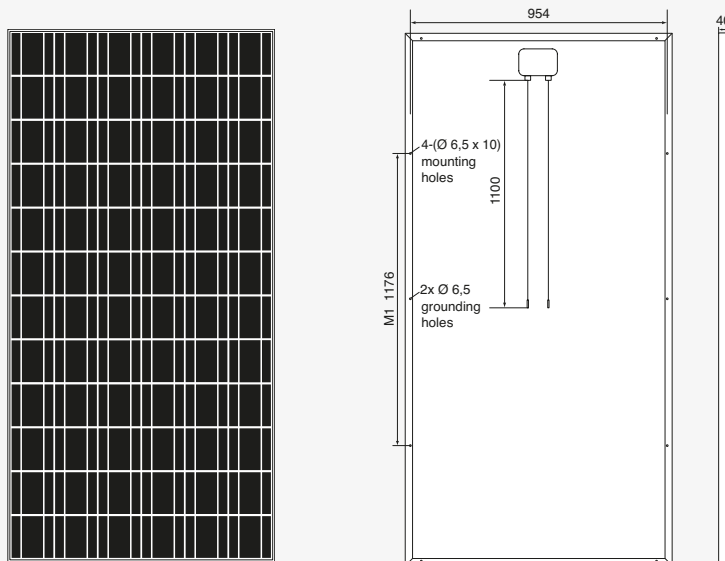
Frontside	3,2 mm hardened, low-reflection white glass
Cells	72 monocrystalline high efficiency cells
Backside	Composite film
Frame	40 mm silver aluminium frame

Mechanical data

L x W x H	1979 x 1002 x 40 mm
Weight	23,5 kg with frame

Power connection

Socket	Protection Class IP68 (3 bypass diodes)
Wire	approx. 1,1 m, 4 mm ²
Plug-in system	Plug/socket IP68, Stäubli MC4



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	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-380M/72S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2,04 A	39,48V
400 W/m ²	3,76 A	39,59 V
600 W/m ²	5,64 A	39,68 V
800 W/m ²	7,54 A	39,81 V
1000 W/m ²	9,42 A	40,38 V

Packaging

Module pieces per pallet	25 Stck.
Module pieces per HC-container	600 Stck.