



340 - 360 Wp

www.axitecsolar.us

AXITEC[®]
high quality german solar brand

AXIpremium

72 cell monocrystalline, 1000 V
High performance solar module

German engineered – made for America

15
Years 15 years manufacturer's warranty
Two more years than industry standard

P-Max Highest performance due to specifically selected technologies and materials

+
Wp Positive power tolerance from 0-5 Wp
Higher guaranteed yield

↓
50 PSF Snow load of up to 50 psf
Stable module for a long life in extreme conditions

100% 100 % electroluminescence inspection
Micro crack and hotspot free modules

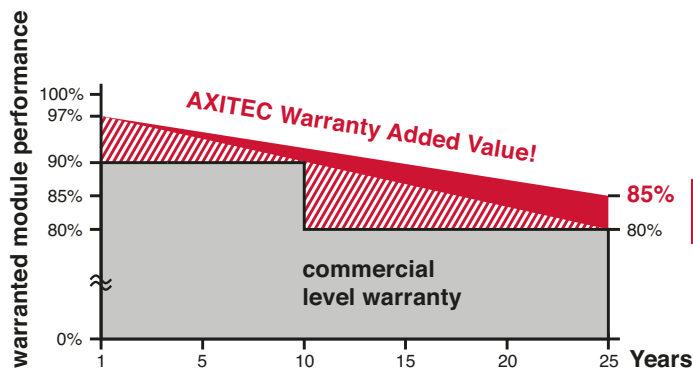
IP 67 High quality junction box and connector system for a longer life time



Fig. similar 72MUSA180509A

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



(Photovoltaic Module over 600 Volts)
E487509

AXIpremium 340 - 360 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-340M/72S	340 Wp	37.57 V	9.05 A	9.48 A	46.16 V	17.52 %
AC-345M/72S	345 Wp	37.96 V	9.09 A	9.51 A	46.61 V	17.70 %
AC-350M/72S	350 Wp	38.34 V	9.13 A	9.58 A	46.89 V	17.90 %
AC-355M/72S	355 Wp	38.30 V	9.27 A	9.64 A	46.80 V	18.30 %
AC-360M/72S	360 Wp	38.45 V	9.38 A	9.77 A	47.00 V	18.55 %

Design

Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	72 monocrystalline high efficiency cells 6 inch (156 x 156 mm)
Backside	Composite film
Frame	1.57 inch (40 mm) silver anodized aluminium frame

Mechanical data

L x W x H	77.01 x 39.06 x 1.57 inch (1956 x 992 x 40 mm)
Weight	50.7 lbs (23 kg) with frame

Power connection

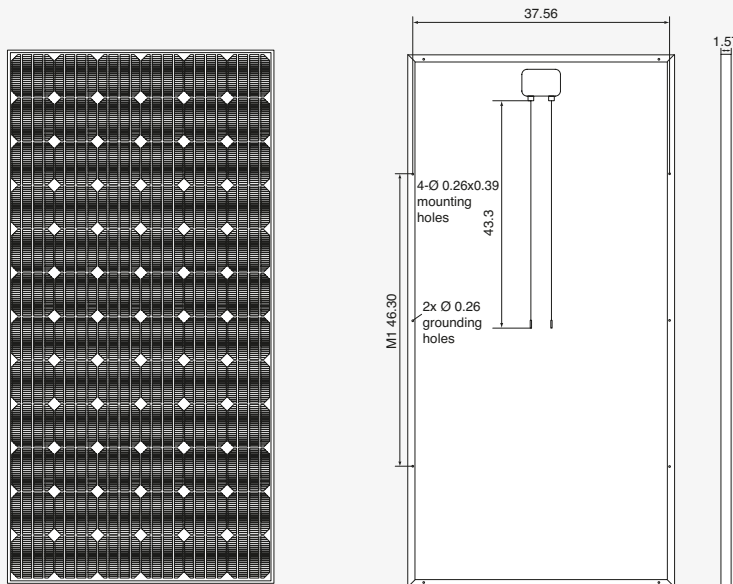
Socket	Protection Class IP67 (3 bypass diodes)
Wire	43.3 inch, AWG 11
Plug-in system	Plug/socket IP67

Limit values

System voltage	1000 VDC (UL) 1000 VDC (IEC)
Module Fire Performance	TYPE 1 (UL 1703) or CLASS C (IEC 61730)
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	50 PSF
Reverse current feed IR	20.0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than V_o may be applied to the module)

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



All dimensions in inch

Temperature coefficients

Voltage U _{oc}	-0.30 %/K
Current I _{sc}	0.04 %/K
Output P _{mp}	-0.40 %/K

Low-light performance (Example for AC-360M/72S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	2.00 A	37.55V
400 W/m ²	3.72 A	37.66 V
600 W/m ²	5.60 A	37.75 V
800 W/m ²	7.50 A	37.88 V
1000 W/m ²	9.38 A	38.45 V

Packaging

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