



350 - 370 Wp

www.axitecsolar.us

AXITEC[®]
high quality german solar brand

AXIpremium

72 cell monocrystalline
High performance solar module

German engineered – made for America

15
Years 15 years manufacturer's warranty
Five 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

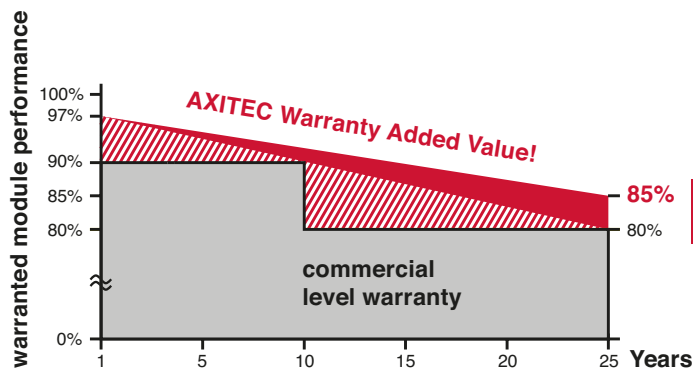
IP 67 High quality junction box and connector system for a longer life time



Fig. similar 72MUSA190130A

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 350 - 370 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-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 | 9.27A | 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 % |
| AC-365M/72S | 365 Wp | 39.38 V | 9.27 A | 9.81 A | 47.67 V | 18.81 % |
| AC-370M/72S | 370 Wp | 39.67 V | 9.33 A | 9.88 A | 47.90 V | 19.07 % |

Design

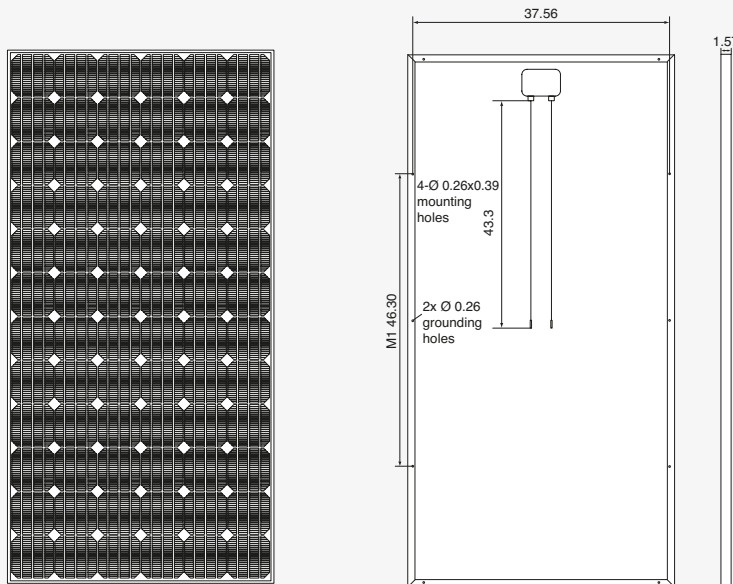
| | |
|-----------|--|
| Frontside | 0.13 inch (3.2 mm) hardened, low-reflection white glass |
| Cells | 72 monocrystalline high efficiency cells 6 inch (156 x 156 mm) |
| Backside | Composite film |
| Frame | 1.57 inch (40 mm) silver aluminium frame |

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 |



All dimensions in inch

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

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 |