



AC-320P/156-72S  
 AC-325P/156-72S  
 AC-330P/156-72S

www.axitecsolar.us

**AXITEC**<sup>®</sup>  
 high quality german solar brand

## AXIpower

72 cell polycrystalline  
 High performance photovoltaic module



German engineered – made for America



12 Years  
 12 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



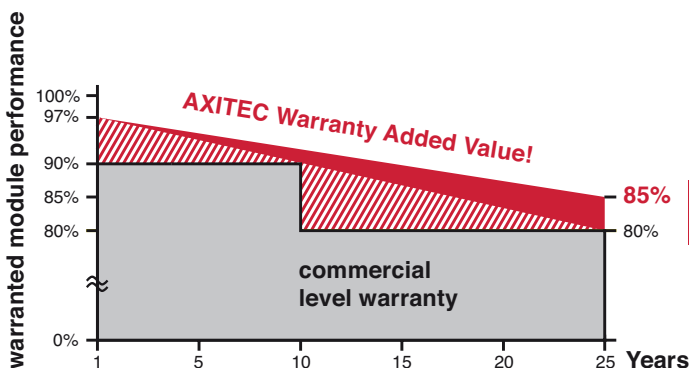
IP 67  
 High quality junction box and connector system for a longer life time



Fig. similar 72P156USA17027A

### 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



Module Fire Performance:  
 TYPE 1 (UL 1703)  
 CLASS C (IEC61730)

Distributed by:

**Electrical data** (at standard conditions (STC) irradiance 1000 watt/m<sup>2</sup>, spectrum AM 1.5 at a cell temperature of 25°C)

Type	Nominal output P <sub>mpp</sub>	Nominal voltage U <sub>mpp</sub>	Nominal current I <sub>mpp</sub>	Short circuit current I <sub>sc</sub>	Open circuit voltage U <sub>oc</sub>	Module conversion efficiency
AC-320P/156-72S	320 Wp	37.39 V	8.58 A	9.18 A	45.59 V	16.49 %
AC-325P/156-72S	325 Wp	37.49 V	8.67 A	9.22 A	45.70 V	16.75 %
AC-330P/156-72S	330 Wp	37.70 V	8.76 A	9.27 A	45.83 V	17.01 %

### Design

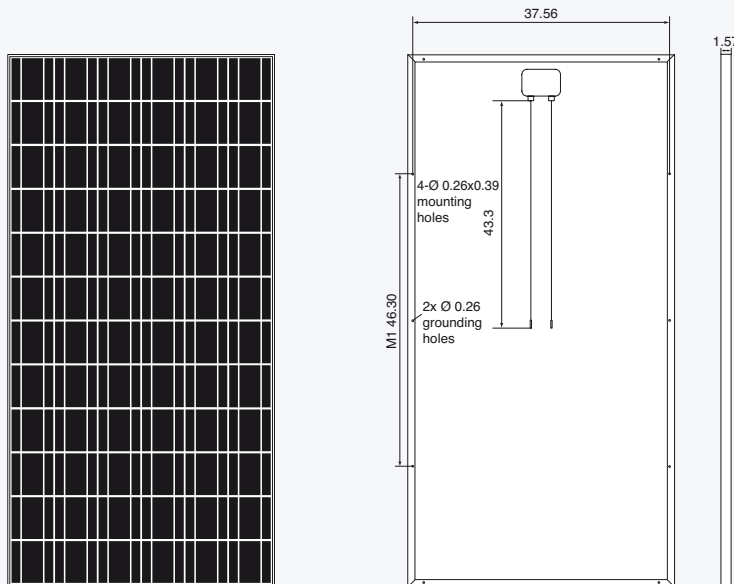
Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	72 polycrystalline high efficiency cells 6 inch (156 x 156 mm)
Backside	Composite film
Frame	1.57 inch (40 mm) silver anodized aluminium frame

### 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



All dimensions in inch

### Limit values

System voltage	1000 VDC (UL) 1000 VDC (IEC)
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	50 PSF
Reverse current feed IR	15.0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than V<sub>o</sub> may be applied to the module)

\* NOCT, irradiance 800 W/m<sup>2</sup>; AM 1,5; wind speed 1 m/s; Temperature 20°C

### Temperature coefficients

Voltage U <sub>oc</sub>	-0.30 %/K
Current I <sub>sc</sub>	0.04 %/K
Output P <sub>mpp</sub>	-0.42 %/K

### Low-light performance (Example for AC-320P/156-72S)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	1.80 A	35.97 V
400 W/m <sup>2</sup>	3.07 A	35.99 V
600 W/m <sup>2</sup>	5.51 A	36.91 V
800 W/m <sup>2</sup>	6.95 A	37.32 V
1000 W/m <sup>2</sup>	8.58 A	37.39 V

### Packaging

Module pieces per pallet	25
Module pieces per HC-container	550