



AC-310P/156-72S
 AC-315P/156-72S
 AC-320P/156-72S

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AXITEC[®]
 high quality german solar brand

AXIpower

72 cell/polycrystalline photovoltaic modules
 High performance photovoltaic modules



German engineered – made for America



12 years manufacturer's warranty
 Two more years than industry standard



Highest performance due to specifically selected technologies and materials



Positive power tolerance from 0-5 Wp
 Higher guaranteed yield



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



100 % electroluminescence inspection
 Micro crack and hotspot free modules



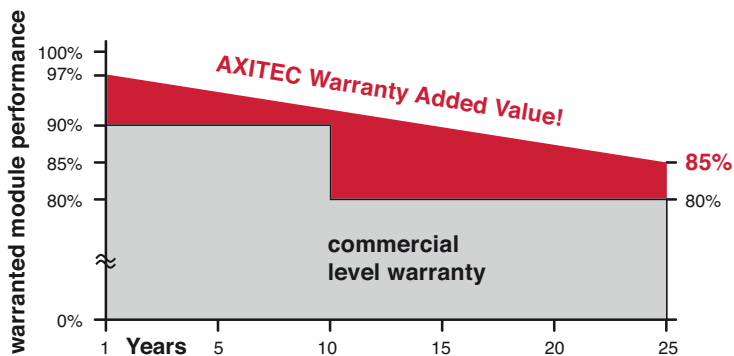
High quality junction box and connector system for a longer life time



Fig. similar 72P156USA160201A

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
- Warrants around 6% more than the market standard



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

Distributed by:

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-310P/156-72S	310 Wp	37.02 V	8.39 A	8.89 A	45.52 V	15.98 %
AC-315P/156-72S	315 Wp	37.20 V	8.48 A	9.00 A	45.56 V	16.23 %
AC-320P/156-72S	320 Wp	37.39 V	8.58 A	9.18 A	45.59 V	16.49 %

Design

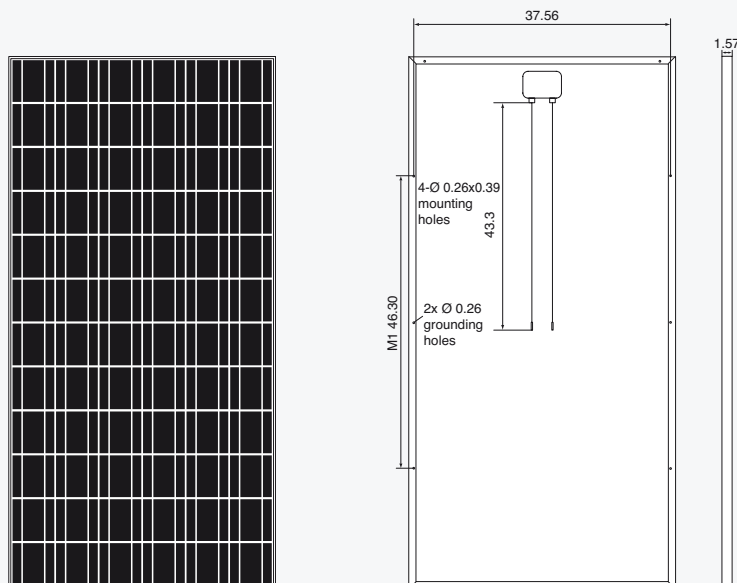
Frontside	0.13 inch (3.2 mm) hardened, low-reflection white glass
Cells	72 polycrystalline high efficiency cells 6 inch (156 x 156 mm)
Backside	Composite film
Frame	1.57 inch (40 mm) silver anodized aluminium frame

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_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 _{mpp}	-0.42 %/K

Low-light performance (Example for AC-300P/156-72S)

I-U characteristic curve	Current I _{pp}	Voltage U _{pp}
200 W/m ²	1.69 A	34.55 V
400 W/m ²	3.30 A	35.42 V
600 W/m ²	4.93 A	35.70 V
800 W/m ²	6.48 A	36.21 V
1000 W/m ²	8.18 A	36.73 V

Packaging

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