



AC-150P/156-36S

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**AXITEC**  
high quality german solar brand

## AXIpower

36 cell/ polycrystalline photovoltaic modules  
High performance photovoltaic modules

The advantages:








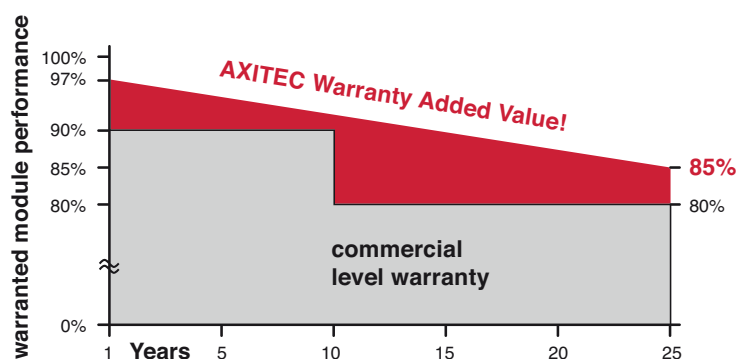
-  12 years manufacturer's warranty
-  Highest performance due to specifically selected technologies and materials
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  Maximum 5400 Pa snow load
-  100% electroluminescence inspection
-  High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
-  High quality junction box and connector systems



Fig. similar 36P156EN160113A

**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



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-150P/156-36S	150 Wp	18,32 V	8,28 A	8,81 A	22,59 V	15,13 %

**Design**

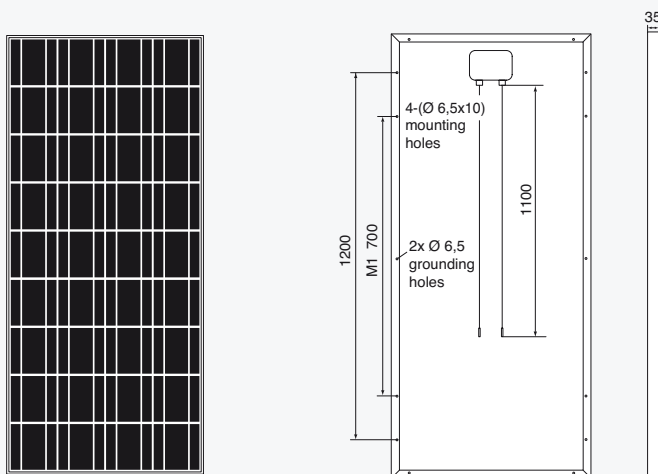
Frontside	3,2 mm hardened, low-reflection white glass
Cells	36 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	35 mm silver anodized aluminium frame

**Mechanical data**

L x W x H	1480 x 670 x 35 mm
Weight	11,7 kg with frame

**Power connection**

Socket	Protection Class IP65 (3 bypass diodes)
Wire	approx. 1,1 m, 4 mm <sup>2</sup>
Plug-in system	Plug/socket IP67



All dimensions in mm

**Limit values**

System voltage	1000 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	5400 N/m <sup>2</sup>
Reverse current feed IR	16,0 A
Permissible operating temperature	-40°C to 85°C / -40F to 185F

(No external voltages greater than U<sub>oc</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-150P/156-36S)

I-U characteristic curve	Current I <sub>pp</sub>	Voltage U <sub>pp</sub>
200 W/m <sup>2</sup>	1,69 A	17,46 V
400 W/m <sup>2</sup>	3,36 A	17,55 V
600 W/m <sup>2</sup>	4,99 A	17,80 V
800 W/m <sup>2</sup>	6,59 A	18,00 V
1000 W/m <sup>2</sup>	8,28 A	18,32 V

**Packaging**

Modules per pallet	30
Modules per 40' HC	360
Modules per 20'	840