

www.axitecsolar.com

AXITEC
high quality german solar company

AXIpower

48 cell/polycrystalline photovoltaic modules

High performance photovoltaic modules

The advantages:

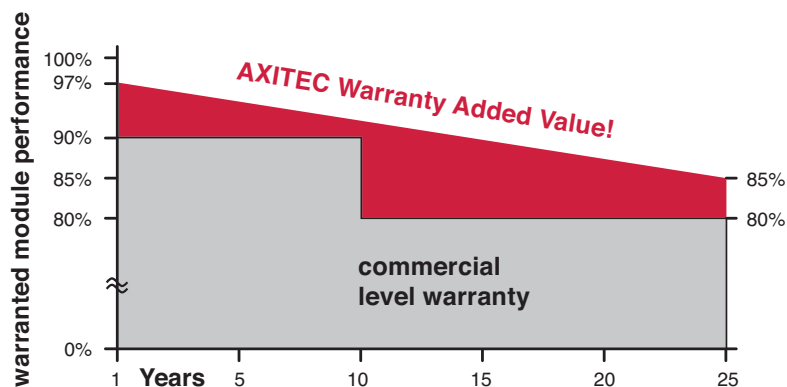
-  12 years manufacturer's warranty
-  Guaranteed positive power tolerance from 0-5 Wp by individual measurement
-  Maximum 5400 Pa snow load
-  100 % electroluminescence inspection
-  High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
-  High quality junction box and connector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



Fig. similar 48P156EN131021A

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



Management system TÜV-certified
DIN ISO 9001:2008, Reg.-No. 12 100 34403



Qualified, IEC 61215
Safety tested, IEC 61730
Periodic inspection



Full Member of PV CYCLE

AXIpower

AC-195P/156-48S
AC-200P/156-48S

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Distributed by:



Qualified, IEC 61215
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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 _{mp}	Nominal voltage U _{mp}	Nominal current I _{mp}	Short circuit current I _{sc}	Open circuit voltage U _{oc}	Module conversion efficiency
AC-195P/156-48S	195 Wp	24,10 V	8,15 A	8,70 A	29,78 V	14,84 %
AC-200P/156-48S	200 Wp	24,30 V	8,30 A	8,80 A	30,00 V	15,22 %

Design

Frontside	3,2 mm hardened, low-reflection white glass
Cells	48 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm silver anodized aluminium frame

Mecanical data

L x W x H	1325 x 992 x 40 mm
Weight	15,5 kg with frame

Power connection

Socket	Protection Class IP65 (3 bypass diodes)
Wire	approx. 1,1 m, 4 mm ²
Plug-in system	Plug/socket IP67, MC4 mateable

Limit values

System voltage	1000 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	5400 N/m ²
Revers current feed IR	16,0 A

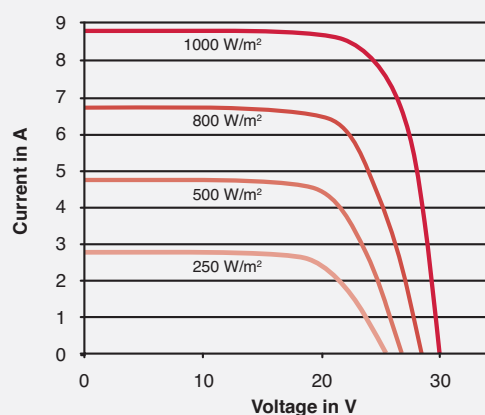
(No external voltages greater than V_o
may be applied to the module)

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

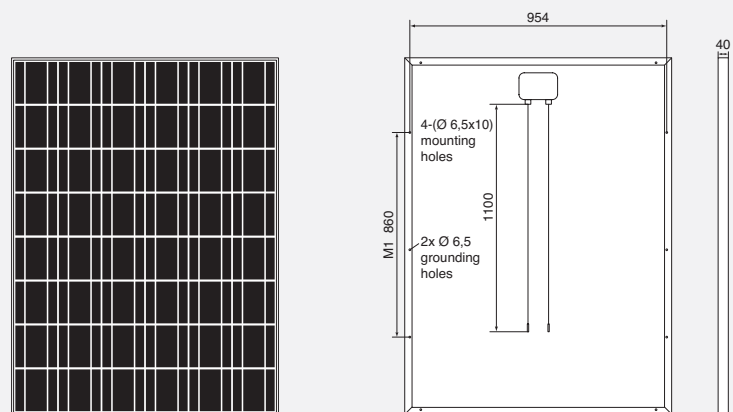
Temperature coefficients

Voltage U _{oc}	-0,33 %/K
Current I _{sc}	0,06 %/K
Output P _{mp}	-0,44 %/K

I-U characteristic curve at 1000-800-500-250 W/m²



Example for AC-200P/156-48S



All dimensions in mm