



GOODWE
your solar engine



- ✓ DC Leakage Current less than 6mA
- ✓ Integrated Lightning Protection
- ✓ Excellent High-Impedance Solution
- ✓ Wider Work Voltage Range
- ✓ Lower Noise
- ✓ Longer-Life component and Design Applied
- ✓ Better Electricity Quality : THDi<1.5%
- ✓ Flexible Internet Monitoring System:
WiFi/RS485

WHERE THE SUN SHINES, THERE IS GOODWE!

Technical Data

GW25K-DT

DC Input Data

Max. DC power(W)	250800
Max. DC voltage (V)	1000
MPPT voltage range (V)	260~850
Starting voltage (V)	250
Max. DC current (A)	27/27
No. of DC connectors	6
No. of MPPTs	2

AC Output Data

Norminal AC power(W)	25000
Max. AC power(W)	25000
Max. AC current(A)	37
Norminal AC output	50/60Hz; 400Vac
AC output range	45~55Hz/55~65Hz; 310~480Vac
THDi	<1.5%
Power factor	0.90leading...0.90lagging
Grid connection	3W/N/PE

Efficiency

Max. efficiency	98.2%
Euro efficiency	97.5%
MPPT adaptation efficiency	99.9%

Protection

Residual current monitoring unit	Integrated
Anti-islanding protection	Integrated
DC switch	Integrated(optional)
DC SPD	Integrated
AC over curent protection	Integrated
Insulation monitoring	Integrated

General Data

Dimensions (WxHxD)	516*650*203mm
Weight (kg)	45
Mounting	Wall bracket
Ambient temperature range	-25~60°C (>45°C derating)
Relative humidity	0~95%
Max. operating altitude	2000m
Protection degree	IP65
Topology	Transformerless
Night power consumption(W)	<1
Cooling	Fan cooling
Noise emission(dB)	<45
Display	5.0" LCD
Communication	USB2.0; RS485 or WiFi
Standard warranty(years)	5/10/15/20/25(optional)



AC-300P/156-72S
AC-305P/156-72S
AC-310P/156-72S

www.axitecsolar.com

AXITEC
high quality german solar company

AXIpower

72 cell/polycrystalline photovoltaic modules

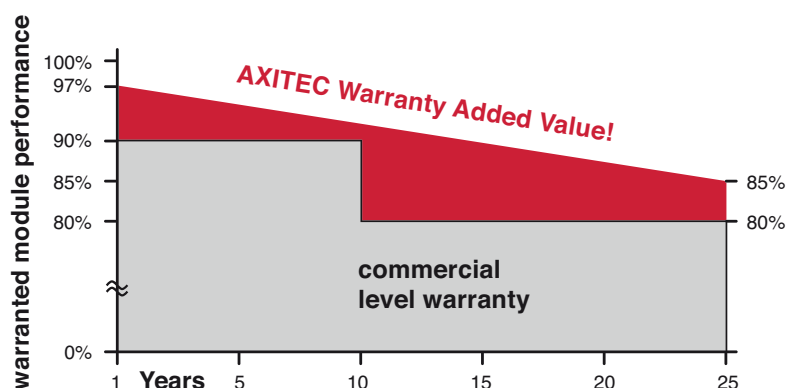
High performance photovoltaic modules

The advantages:

- 12 Years** 12 years manufacturer's warranty
- + Wp** Guaranteed positive power tolerance from 0-5 Wp by individual measurement
- 2.400 Pa** Maximum 2400 Pa snow load
- 100%** 100 % electroluminescence inspection
- Soft Grip** High stability due to AXITEC-Soft-Grip-Seam aluminium frame construction
- IP 67** High quality junction box and connector systems
- Imp** Sorting by Imp

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



IEC 61215
IEC 61730
Snow Load Resistance
ID 0000040256



Full Member of PV CYCLE



Fig. similar 72P156EN141125A

AXIpower

AC-300P/156-72S
AC-305P/156-72S
AC-310P/156-72S

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Distributed by:



IEC 61215
IEC 61730
Snow Load Resistance
ID 0000040256



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-300P/156-72S	300 Wp	36,73 V	8,18 A	8,71 A	45,48 V	15,46 %
AC-305P/156-72S	305 Wp	36,85 V	8,28 A	8,81 A	45,50 V	15,72 %
AC-310P/156-72S	310 Wp	37,02 V	8,39 A	8,89 A	45,52 V	15,98 %

Design

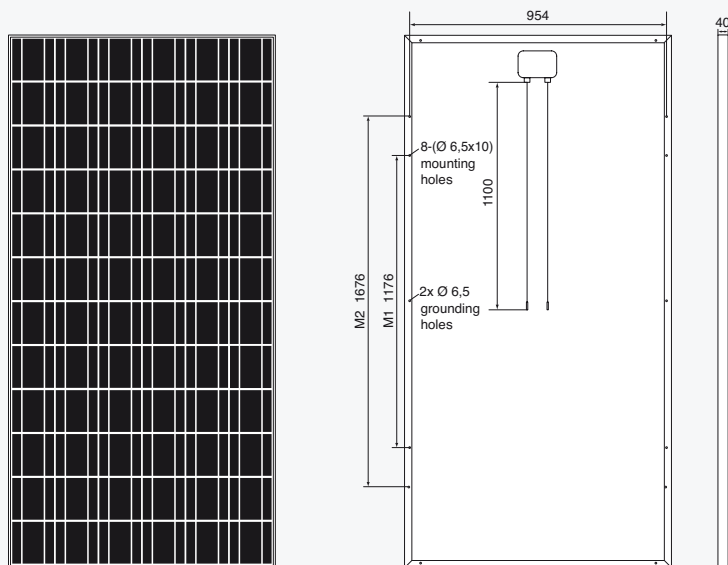
Frontside	3,2 mm hardened, low-reflection white glass
Cells	72 polycrystalline high efficiency cells 156 mm x 156 mm (6")
Backside	Composite film
Frame	40 mm silver anodized aluminium frame

Mecanical data

L x W x H	1956 x 992 x 40 mm
Weight	23 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



All dimensions in mm

Limit values

System voltage	1000 VDC
NOCT (nominal operating cell temperature)*	45°C +/-2K
Max. load-carrying capacity	2400 N/m ²
Reverse current feed IR	16,0 A

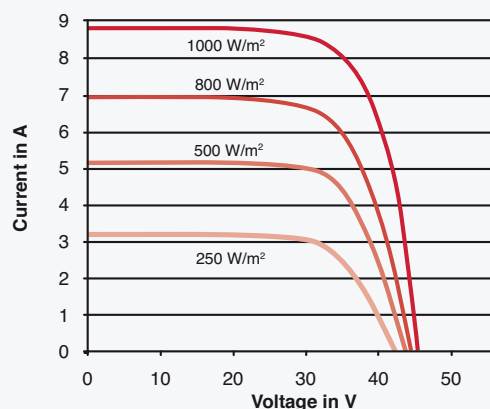
(No external voltages greater than V_o
may be applied to the module)

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

Temperature coefficients

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

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



Example for AC-300P/156-72S