



Inspiring green-energy since 2003

AE POWERPLUS POLYCRYSTALLINE PV MODULES AE P6-72 Series 305W-330W

tested by  **Fraunhofer**
CSP

72

CELLS



MICRO-CRACK
FREE



PID
RESISTANT



SALT CORROSION
RESISTANT



SAND
RESISTANT



AMMONIA
RESISTANT



HIGHLY STABLE
AND TOUGH



GERMAN QUALITY

AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.



PLUS-SORTING

Higher yield due to plus-sorting from 0 up to +5 Wp guarantees the high system efficiency and yield stability.



PERFORMANCE GUARANTEE

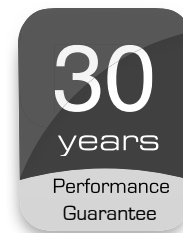
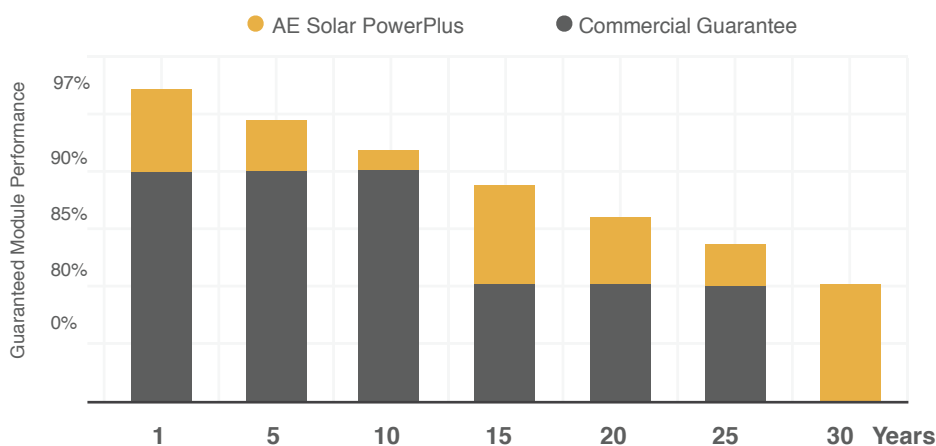
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty.



CERTIFICATES

Lining with international standards, AE Solar Photovoltaic modules are tested and certified under extreme stress conditions and it can bear harsh environment influences.

OUR PERFORMANCE GUARANTEE



Deutsche
Qualität
Garantiert

TECHNICAL DATA

AE P6-72 Series 305W-330W

SPECIFICATIONS

AE305P6-72 AE310P6-72 AE315P6-72 AE320P6-72 AE325P6-72 AE330P6-72

Nominal Max. Power	P _{max} (Wp)	305	310	315	320	325	330
Maximum power voltage	V _{mp} (V)	36,51	36,60	36,66	36,75	36,83	36,97
Maximum power current	I _{mp} (A)	8,35	8,47	8,59	8,71	8,82	8,93
Open-circuit voltage	V _{oc} (V)	45,38	45,47	45,59	45,72	45,83	45,89
Short-circuit current	I _{sc} (A)	9,13	9,17	9,24	9,28	9,33	9,37
Module efficiency	(%)	15,72	15,98	16,23	16,49	16,75	17,01
Power tolerance	P _{max} (Wp)	0 / + 5					
Maximum system voltage DC	(V)	1000					
Operating temperature	(°C)	-40 to +85					
Temp. coefficients of P _{max}	(%/°C)	-0.40					
Temp. coefficients of V _{oc}	(%/°C)	-0.31					
Temp. coefficients of I _{sc}	(%/°C)	0.053					
Nom. Operating cell temp.(NOCT)	(°C)	45±2					

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

MATERIAL CHARACTERISTICS

Cell type	Poly-crystalline 156 x 156mm
No. of cells	72 (6 x 12)
Dimensions	1956 x 992 x 40mm
Weight	23 kg
Junction box	IP 67 rated
Output cable	1 x 4.0mm ² , 900mm length or customised
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 28 mm, at 23 m/s
Wind load	2400 Pa / 244 kg/m ²
Mechanical load	5400 Pa / 550 kg/m ²

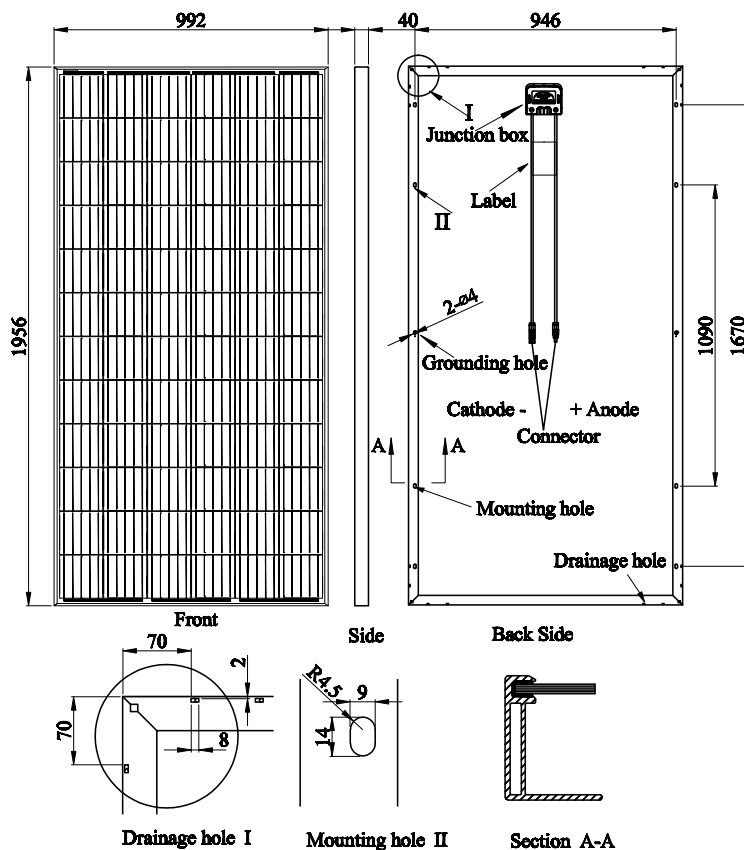
PACKAGING INFORMATION

Packing configuration	56 pcs / double pallet
Loading Capacity	672 pcs / 40HQ
Size / pallet (mm)	1990 x 1120 x 2335
Weight	1380 kg / pallet

CERTIFICATES



DIMENSIONS



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