



Inspiring green-energy since 2003

AE PLUS POLYCRYSTALLINE PV MODULES AE P6-60 Series 265 W-290W

60 CELLS	MICRO-CRACK FREE	PID RESISTANT	SALT CORROSION RESISTANT	SAND RESISTANT	AMMONIA RESISTANT	HIGHLY STABLE AND TOUGH
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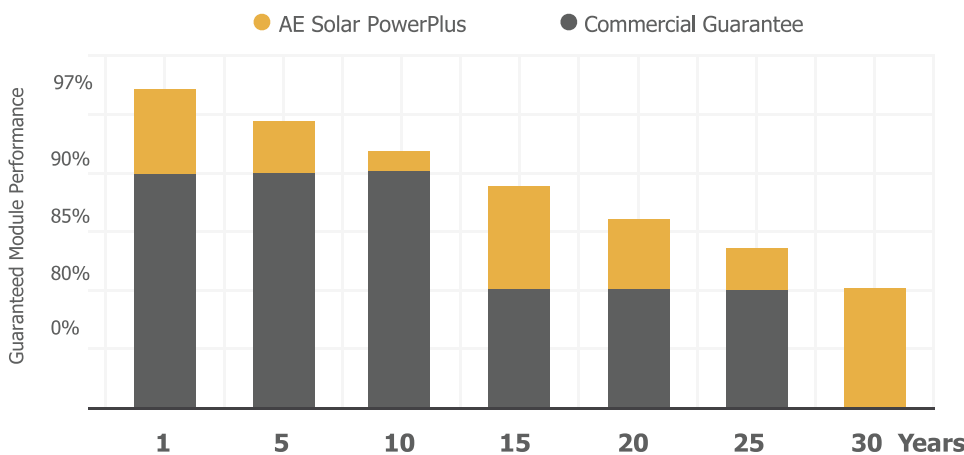
✓ GERMAN QUALITY
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

+ 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



30
years
Performance Guarantee

12
years
Product Warranty



Deutsche
Qualität
Garantiert

TECHNICAL DATA

AE P6-60 Series 265W-290W

SPECIFICATIONS

		AE265P6-60	AE270P6-60	AE275P6-60	AE280P6-60	AE285P6-60	AE290P6-60
Nominal Max. Power	P _{max} (Wp)	265	270	275	280	285	290
Maximum power voltage	V _{mp} (V)	30.41	30.82	31.24	31.65	32.07	32.48
Maximum power current	I _{mp} (A)	8.71	8.76	8.80	8.85	8.89	8.93
Open-circuit voltage	V _{oc} (V)	38.10	38.31	38.52	38.72	38.93	39.14
Short-circuit current	I _{sc} (A)	9.26	9.31	9.35	9.38	9.44	9.47
Module efficiency	(%)	16.19	16.50	16.80	17.11	17.41	17.72
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.

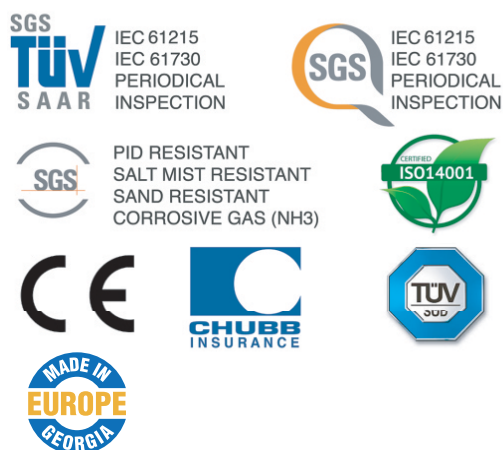
MATERIAL CHARACTERISTICS

Cell type	Poly-crystalline 156.75mm x 156.75mm
No. of cells	60 (6 x 10)
Dimensions	1650 x 992 x 35mm
Weight	17,5 kg
Junction box	IP 67 MC 4 compatible
Output cable	1 x 4.0mm ² , 900mm length or customised
Connector type	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

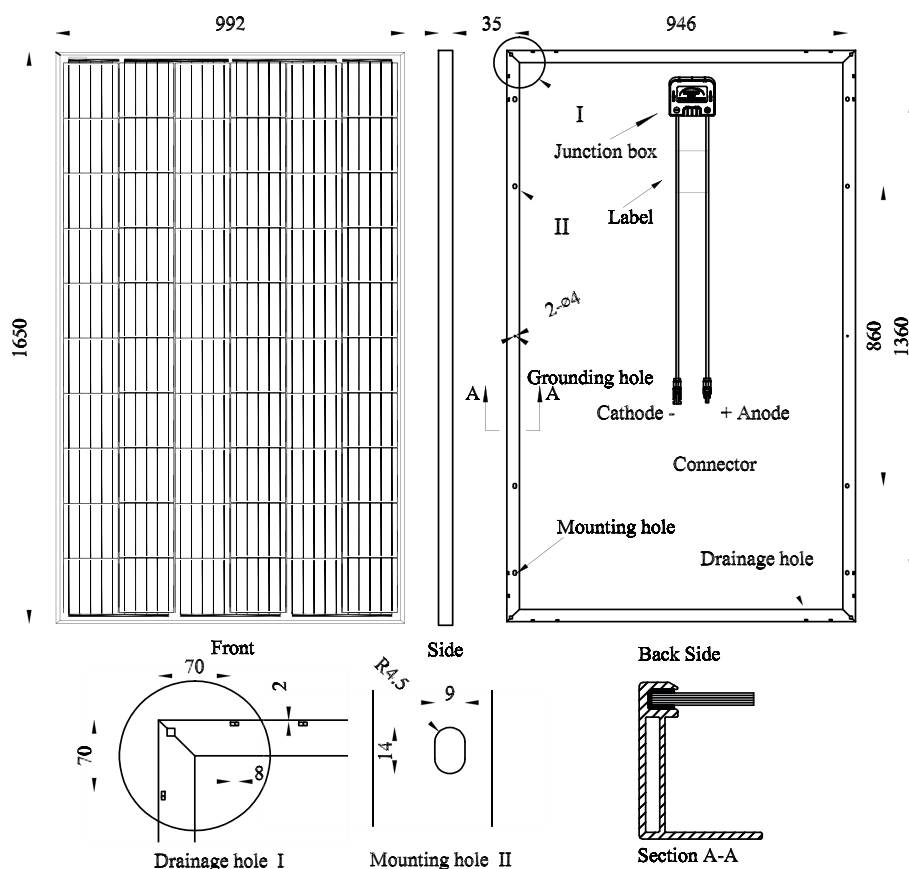
PACKAGING INFORMATION

Packing configuration	64 pcs/double pallet	60 pcs/double pallet
Loading Capacity	896 pcs / 40HQ	840 pcs / 40GP
Size / pallet (mm)	1690 x 1135 x 2390	1690x1135x2250
Weight	1225 kg / pallet	1150 kg / pallet

CERTIFICATES



DIMENSIONS



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