



Inspiring green-energy since 2003

AE DOUBLE-GLASS POLYCRYSTALLINE PV MODULES AE P6-72 Series 320W-345W THE LIGHTWEIGHT TECHNOLOGY

72 CELLS	MICRO-CRACK FREE	FIRE CLASS A	PID	SALT CORROSION RESISTANT	SAND RESISTANT	$\frac{NH_3}{S}$ 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.

\$ HIGH RETURNS
This technology increases the performance ratio, eliminates the potential hazards and material degradation, ensures better safety, long life and high investment returns.

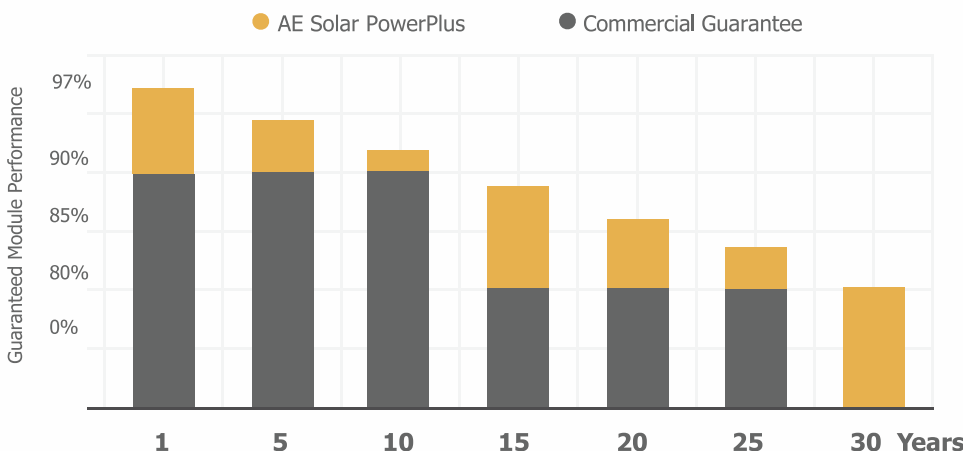
🕒 PERFORMANCE GUARANTEE
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty.

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

🛡️ SAFETY
Back sheet is replaced by 2 mm tempered glass, ensuring additional safety, no back sheet degradation and surface for heat loss. Lower temperature offers better and more stable output during high temperature conditions.

📄 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 P6-72 Series 320W-345W

SPECIFICATIONS

		AE320P6-72	AE325P6-72	AE330P6-72	AE335P6-72	AE340P6-72	AE345P6-72
Nominal Max. Power	P _{max} (Wp)	320	325	330	335	340	345
Maximum power voltage	V _{mp} (V)	37.47	37.79	38.11	38.42	38.72	39.03
Maximum power current	I _{mp} (A)	8.54	8.60	8.66	8.72	8.78	8.84
Open-circuit voltage	V _{oc} (V)	46.73	47.08	47.43	47.77	48.11	48.45
Short-circuit current	I _{sc} (A)	8.78	8.85	8.92	8.99	9.06	9.13
Module efficiency	(%)	16.25	16.50	16.76	17.01	17.27	17.52
Power tolerance	P _{max} (Wp)	0 / +4.99					
Maximum system voltage DC	(V)	1500					
Operating temperature	(°C)	-40 to +85					
Temp. coefficients of P _{max}	(%/°C)	-0.433					
Temp. coefficients of V _{oc}	(%/°C)	-0.328					
Temp. coefficients of I _{sc}	(%/°C)	0.059					
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.

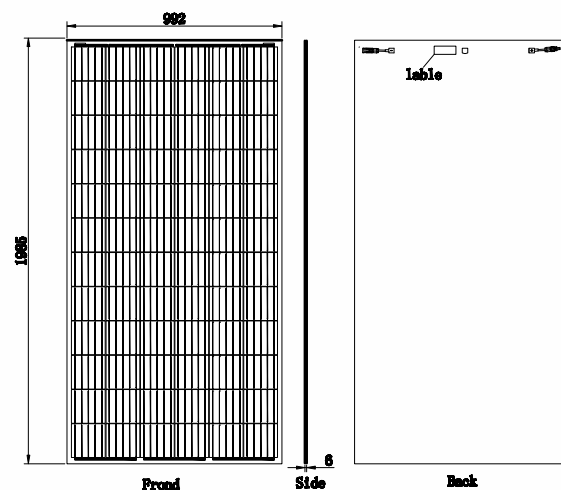
MATERIAL CHARACTERISTICS

Cell Type	Poly-crystalline
Cell Dimension	156.75mm × 156.75mm
Dimensions	1958mm x 992mm x 6mm (J-box not included)
Weight	28kg
Front Glass	2.5mm tempered AR glass
Encapsulant	POE
Back Glass	2.5 mm tempered glass / 2.5 mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4.0mm ² , 300mm length or costumised
Connector	QC 4. 10-35
Wind load	2400Pa / 244kg / m ²
Mechanical load	5400Pa / 550kg / m ²

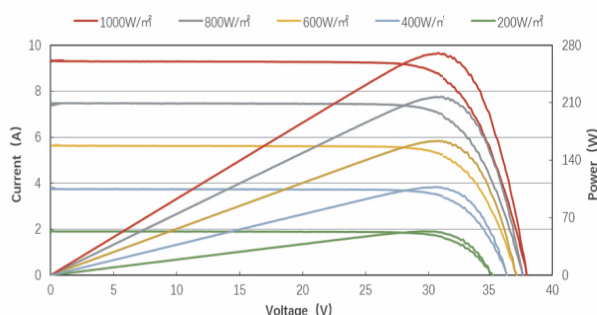
PACKAGING INFORMATION

Packing configuration	66 pcs / pallet
Loading capacity	726 pcs / 40HQ
Size / pallet (mm)	2035 x 1140 x 2264
Weight	1960 kg

DIMENSIONS



CERTIFICATES



Excellent performance at 200W/m²(AM 1.5, 25 °C): the conversion efficiency could be 96.2% of STC

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