



Inspiring green-energy since 2003

# AE PLUS POLYCRYSTALLINE PV MODULES AE P6-72 Series 315W-345W

<b>72</b> CELLS	<b>MICRO-CRACK FREE</b>	<b>PID RESISTANT</b>	<b>SALT CORROSION RESISTANT</b>	<b>SAND RESISTANT</b>	<b>AMMONIA RESISTANT</b>	<b>HIGHLY STABLE AND TOUGH</b>
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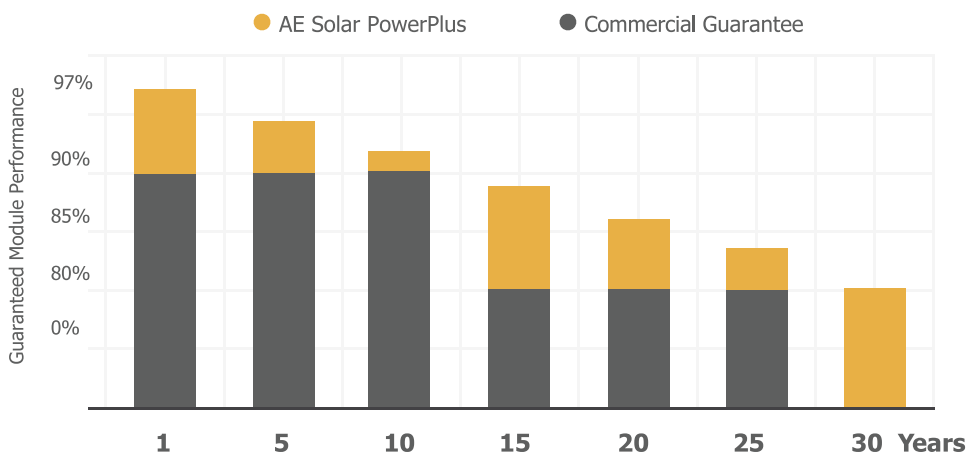
**✓ GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**+ 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 P6-72 Series 315W-345W

### SPECIFICATIONS

		AE315P6-72	AE320P6-72	AE325P6-72	AE330P6-72	AE335P6-72	AE340P6-72	AE345P6-72
Nominal Max. Power	Pmax (Wp)	315	320	325	330	335	340	345
Maximum power voltage	Vmp(V)	36.66	36.75	36.83	36.97	37.05	37.09	37.18
Maximum power current	Imp (A)	8.59	8.71	8.82	8.93	9.04	9.17	9.28
Open-circuit voltage	Voc(V)	45.59	45.72	45.83	45.89	45.93	45.97	46.01
Short-circuit current	Isc (A)	9.24	9.28	9.33	9.37	9.41	9.44	9.48
Module efficiency	(%)	16.23	16.49	16.75	17.01	17.26	17.52	17.78
Power tolerance	Pmax (Wp)	0 / + 5						
Maximum system voltage DC	(V)	1000						
Operating temperature	(°C)	-40 to +85						
Temp. coefficients of Pmax	(%/°C)	-0.40						
Temp. coefficients of Voc	(%/°C)	-0.31						
Temp. coefficients of Isc	(%/°C)	0.053						
Nom. Operating cell temp.(NOCT)	(°C)	45±2						

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m<sup>2</sup> with spectrum AM 1.5 and a cell temperature of 25°C.

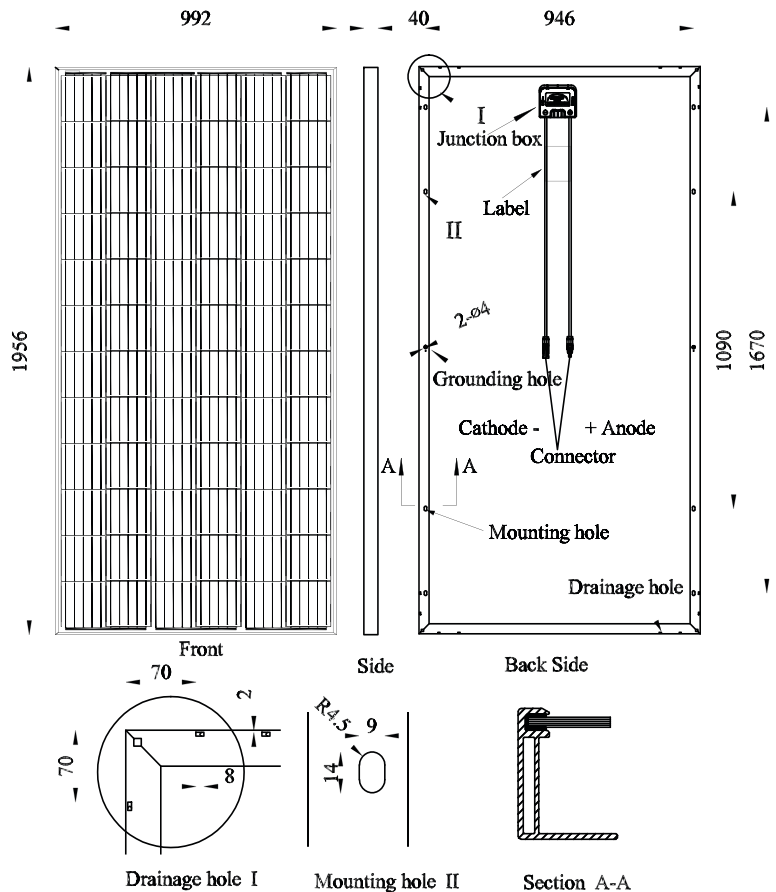
## MATERIAL CHARACTERISTICS

Cell type	Poly-crystalline 156.75mm × 156.75mm
No. of cells	72 (6 × 12)
Dimensions	1956 × 992 × 40mm
Weight	21 kg
Junction box	IP 67 MC 4 compatible
Output cable	1 × 4.0mm <sup>2</sup> , 1200mm 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 <sup>2</sup>
Mechanical load	5400 Pa / 550 kg/m <sup>2</sup>

## PACKAGING INFORMATION

Packing configuration	56pcs/double pallet	52pcs/double pallet
Loading Capacity	672 pcs / 40HQ	624 pcs / 40GP
Size / pallet (mm)	1990x1120x2410	1990x1120x2250
Weight	1300 kg / pallet	1192 kg / pallet

## DIMENSIONS



## CERTIFICATES



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