



Inspiring green-energy since 2003

## AE POWERPLUS POLYCRYSTALLINE PV MODULES AE P6-72 Series 310W-325W

tested by **Fraunhofer**  
CSP

<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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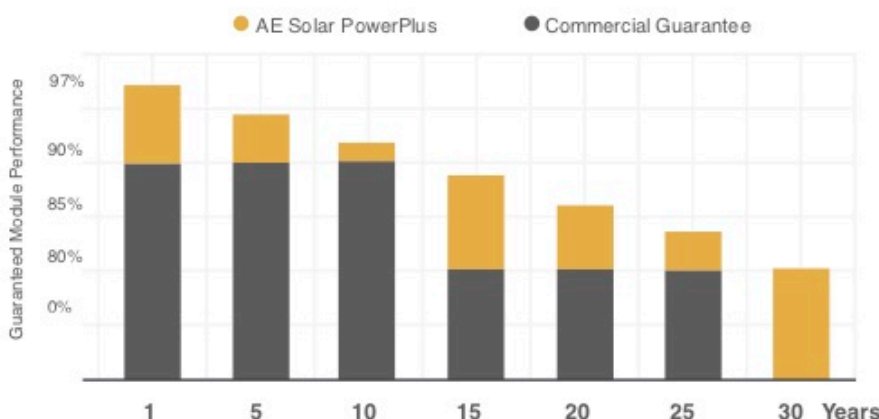
**✓ GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**+ 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



**Deutsche  
Qualität  
Garantiert**

# TECHNICAL DATA

## AE P6-72 Series 310W-325W

### SPECIFICATIONS

		AE310P6-72	AE315P6-72	AE320P6-72	AE325P6-72
Nominal Max. Power	P <sub>max</sub> (Wp)	310	315	320	325
Maximum power voltage	V <sub>mp</sub> (V)	36,60	36,66	36,75	36,83
Maximum power current	I <sub>mp</sub> (A)	8,47	8,59	8,71	8,82
Open-circuit voltage	V <sub>oc</sub> (V)	45,47	45,59	45,72	45,83
Short-circuit current	I <sub>sc</sub> (A)	9,17	9,24	9,28	9,33
Module efficiency	(%)	15,98	16,23	16,49	16,75
Power tolerance	P <sub>max</sub> (Wp)	0 / + 5			
Maximum system voltage DC	(V)	1000			
Operating temperature	(°C)	-40 to +85			
Temp. coefficients of P <sub>max</sub>	(%/°C)	-0.40			
Temp. coefficients of V <sub>oc</sub>	(%/°C)	-0.31			
Temp. coefficients of I <sub>sc</sub>	(%/°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 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 <sup>2</sup> , 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 <sup>2</sup>
Mechanical load	5400 Pa / 550 kg/m <sup>2</sup>

### PACKAGING INFORMATION

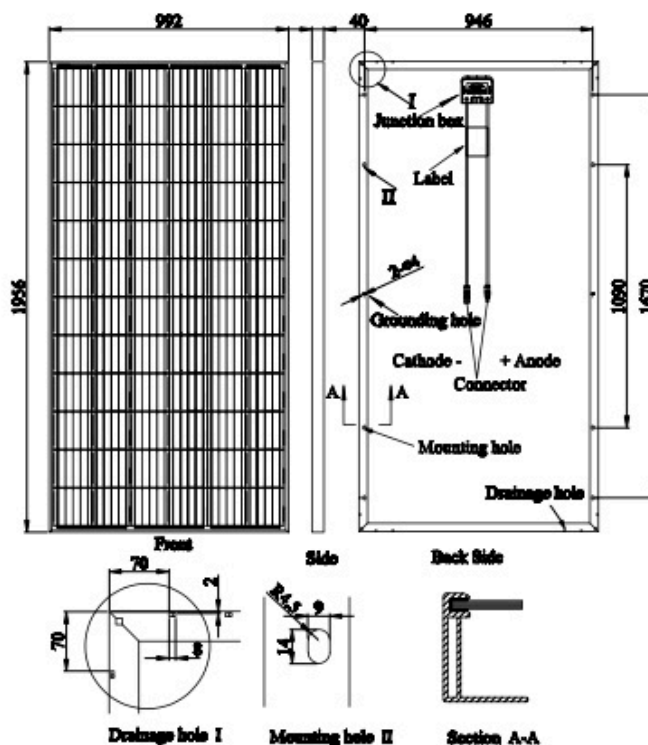
Packing configuration	56 pcs / double pallet
Loading Capacity	672 pcs / 40HQ
Size / pallet (mm)	1990 x 1120 x 2335
Weight	1380 kg / pallet

### CERTIFICATES



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### DIMENSIONS



### AE Solar GmbH

Messerschmittring 54  
86343 Königsbrunn  
Germany

Castellano: Jesus Torres  
Tel. +49 157 8387 4754  
Correo: j.torres@ae-solar.com  
Web: www.ae-solar.com