

AE POWER PLUS PV MODULES

tested by  **Fraunhofer**  
CSP



Deutsche  
Qualität  
Garantiert



Inspiring green-energy since 2003

## AE POWERPLUS MONOCRYSTALLINE PV MODULES AE M6-72 Series 320W-340W

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

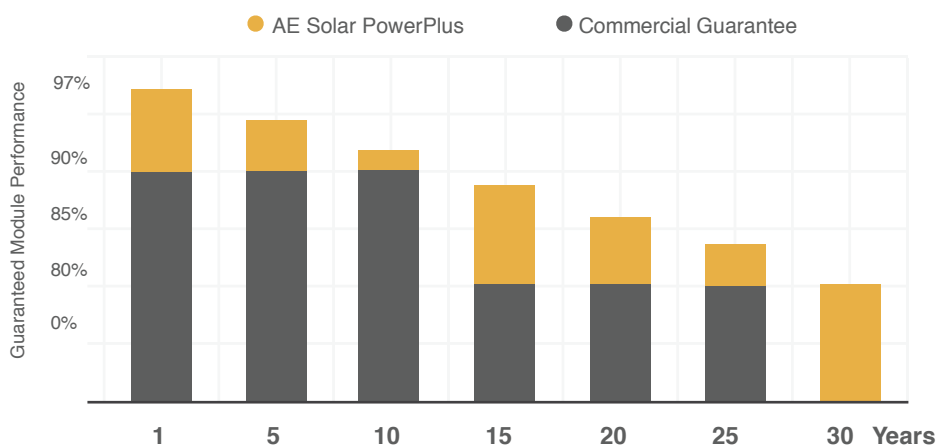
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty.



### 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



30

years

Performance  
Guarantee

12

years

Product  
Warranty



Deutsche  
Qualität  
Garantiert

# TECHNICAL DATA

## AE M6-72 Series 320W-340W

### SPECIFICATIONS

		AE320M6-72	AE325M6-72	AE330M6-72	AE335M6-72	AE340M6-72
Nominal Max. Power	P <sub>max</sub> (Wp)	320	325	330	335	340
Maximum power voltage	V <sub>mp</sub> (V)	38.27	38.54	38.72	38.85	39.09
Maximum power current	I <sub>mp</sub> (A)	8.36	8.43	8.52	8.62	8.70
Open-circuit voltage	V <sub>oc</sub> (V)	46.43	46.62	46.74	46.84	46.94
Short-circuit current	I <sub>sc</sub> (A)	9.26	9.34	9.38	9.43	9.48
Module efficiency	(%)	16.49	16.75	17.01	17.26	17.52
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)	-0.38				
Temp. coefficients of V <sub>oc</sub>	(%/°C)	-0.29				
Temp. coefficients of I <sub>sc</sub>	(%/°C)	0.050				
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.

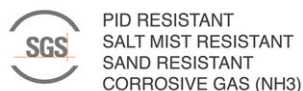
### MATERIAL CHARACTERISTICS

Cell type	Mono-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>

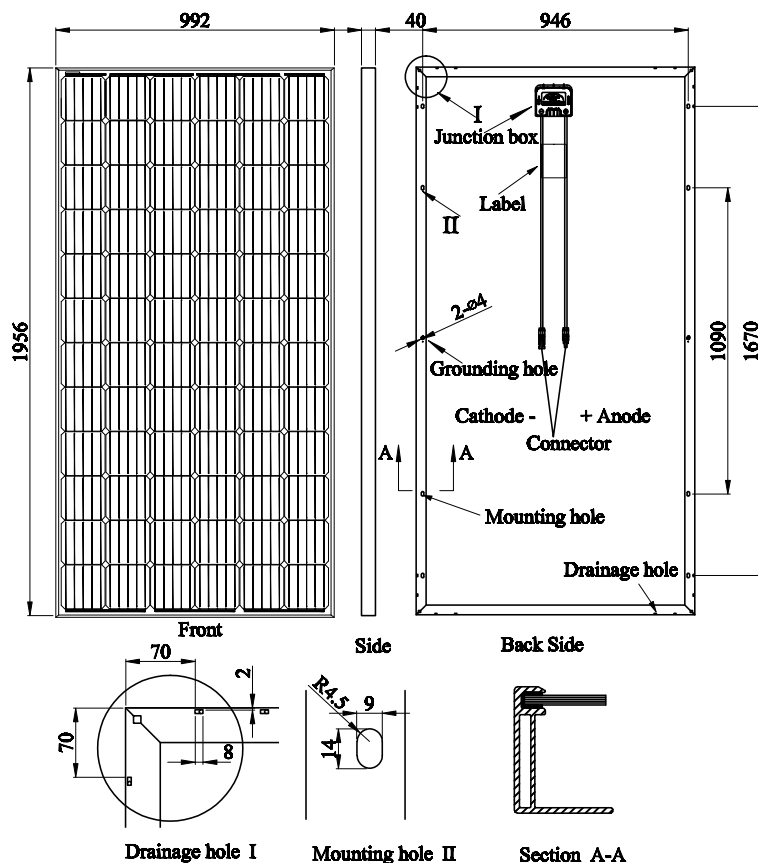
### PACKAGING INFORMATION

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

### CERTIFICATES



### DIMENSIONS



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