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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**AE Solar  
AE M6-72 360-380W  
AE365M6-72**

Also available on the web at  
[EnergyPal.com/ae-solar-solar-panels/ae365m6-72](http://EnergyPal.com/ae-solar-solar-panels/ae365m6-72)



Inspiring green-energy since 2003

## PERC Technology

# AE POWERPLUS MONOCRYSTALLINE PV MODULES AE M6-72 Series 360W-380W

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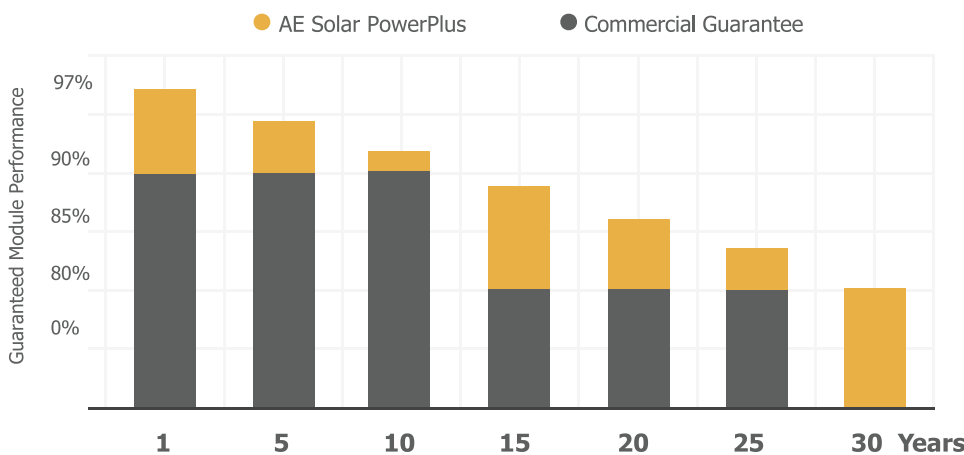
**✓ GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**+ 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



**30**  
years  
Performance Guarantee

**12**  
years  
Product Warranty



Deutsche  
 Qualität  
 Garantiert

# TECHNICAL DATA

## AE M6-72 Series 360W-380W

### SPECIFICATIONS

		AE360M6-72	AE365M6-72	AE370M6-72	AE375M6-72	AE380M6-72
Nominal Max. Power	Pmax (Wp)	360	365	370	375	380
Maximum power voltage	Vmp(V)	39.55	39.58	39.63	39.66	39.71
Maximum power current	Imp (A)	9.10	9.22	9.34	9.46	9.57
Open-circuit voltage	Voc(V)	47.38	47.42	47.48	47.53	47.59
Short-circuit current	Isc (A)	9.62	9.65	9.69	9.75	9.82
Module efficiency	(%)	18.55	18.81	19.07	19.33	19.58
Power tolerance	Pmax (Wp)	0 / + 5				
Maximum system voltage DC	(V)	1000				
Operating temperature	(°C)	-40 to +85				
Temp. coefficients of Pmax	(%/°C)	-0.38				
Temp. coefficients of Voc	(%/°C)	-0.29				
Temp. coefficients of Isc	(%/°C)	0.05				
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 156.75mm x 156.75mm
No. of cells	72 (6 x 12)
Dimensions	1956 x 992 x 40mm
Weight	21 kg
Junction box	IP 67 rated
Output cable	1 x 4.0mm <sup>2</sup> , 1200mm 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>

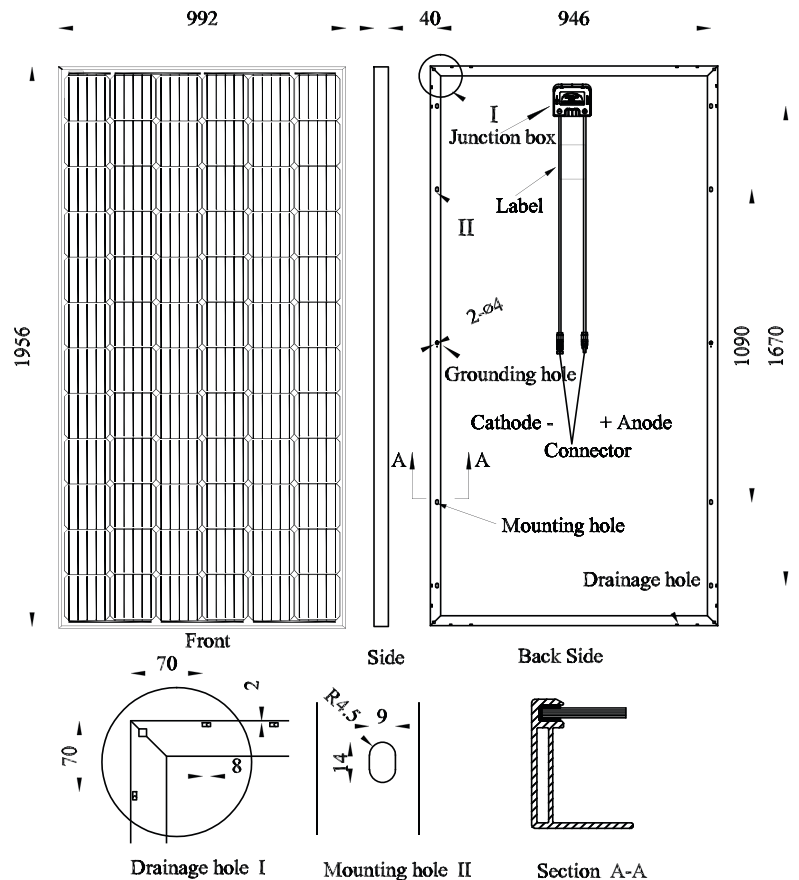
### PACKAGING INFORMATION

Packing configuration	56 pcs / double pallet
Loading Capacity	672 pcs / 40HQ
Size / pallet (mm)	1990 x 1120 x 2335
Weight	1300 kg / pallet

### CERTIFICATES



### DIMENSIONS



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