



Inspiring green-energy since 2003

AE POWERPLUS MONOCRYSTALLINE PV MODULES AE M6-72 Series 300W-315W

tested by  **Fraunhofer**
CSP

72 CELLS	 MICRO-CRACK FREE	 PID RESISTANT	 SALT CORROSION RESISTANT	 SAND RESISTANT	$\frac{NH_3}{S}$ AMMONIA RESISTANT	 HIGHLY STABLE AND TOUGH
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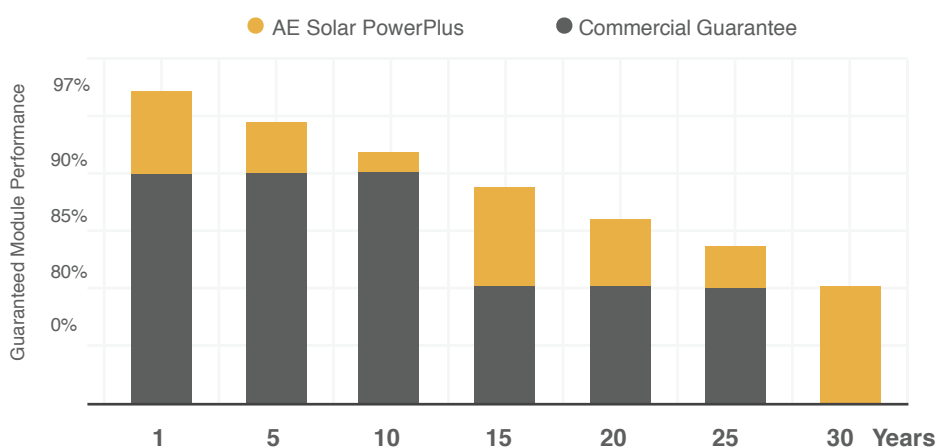
GERMAN QUALITY
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

+ 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 300W-315W

SPECIFICATIONS

		AE300M6-72	AE305M6-72	AE310M6-72	AE315M6-72
Nominal Max. Power	P _{max} (Wp)	300	305	310	315
Maximum power voltage	V _{mp} (V)	37.43	37.58	37.83	38.09
Maximum power current	I _{mp} (A)	8.01	8.12	8.19	8.27
Open-circuit voltage	V _{oc} (V)	45.88	46.12	46.13	46.27
Short-circuit current	I _{sc} (A)	9.04	9.12	9.18	9.21
Module efficiency	(%)	15,46	15,72	15,98	16.23
Power tolerance	P _{max} (Wp)	0 / + 5			
Maximum system voltage DC	(V)	1000			
Operating temperature	(°C)	-40 to +85			
Temp. coefficients of P _{max}	(%/°C)	-0.38			
Temp. coefficients of V _{oc}	(%/°C)	-0.29			
Temp. coefficients of I _{sc}	(%/°C)	0.050			
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	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 ² , 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 ²
Mechanical load	5400 Pa / 550 kg/m ²

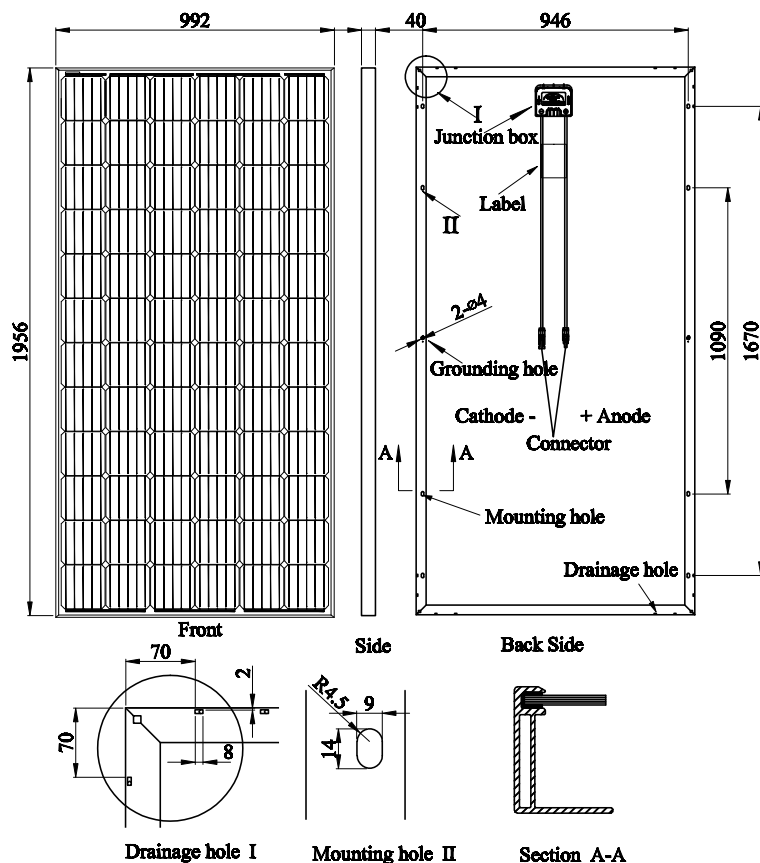
PACKAGING INFORMATION

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



AES-DSH2018 V.001
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