



Inspiring green-energy since 2003

PERC Technology

AE LARGE CELL MONOCRYSTALLINE PV MODULES AE M6-72 Series 370W-400W

72 CELLS	PID RESISTANT	SALT CORROSION RESISTANT	SAND RESISTANT	NH₃ S AMMONIA RESISTANT	HIGHLY STABLE AND TOUGH
---------------------	--------------------------	-------------------------------------	---------------------------	---	------------------------------------

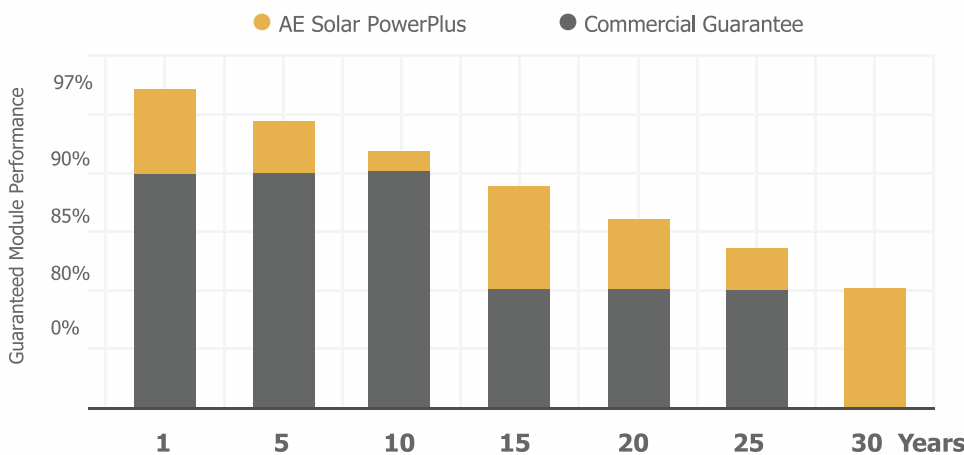
✓ GERMAN QUALITY
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

+ 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 370W-400W

SPECIFICATIONS

AE370M6-72 AE375M6-72 AE380M6-72 AE385M6-72 AE390M6-72 AE395M6-72 AE400M6-72

Nominal Max. Power	P _{max} (Wp)	370	375	380	385	390	395	400
Maximum power voltage	V _{mp} (V)	39.90	40.20	40.50	40.80	41.10	41.40	41.71
Maximum power current	I _{mp} (A)	9.28	9.33	9.39	9.44	9.49	9.54	9.59
Open-circuit voltage	V _{oc} (V)	48.51	48.72	48.90	49.10	49.30	49.48	49.69
Short-circuit current	I _{sc} (A)	9.61	9.68	9.75	9.92	10.50	10.12	10.59
Module efficiency	(%)	18.66	18.91	19.16	19.42	19.67	19.92	20.17
Power tolerance	P _{max} (Wp)	0 / + 5						
Maximum system voltage DC	(V)	1000						
Operating temperature	(°C)	15						
Temp. coefficients of P _{max}	(%/°C)	-40 to +85						
Temp. coefficients of V _{oc}	(%/°C)	-0.37						
Temp. coefficients of I _{sc}	(%/°C)	-0.28						
Nom. Operating cell temp.(NOCT)	(°C)	0.048						
		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.

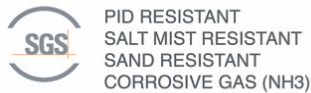
MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline 158.75 x 158.75mm
No. of cells	72 (6 x 12)
Dimensions	1979 x 1002 x 40mm
Weight	22.5 kg
Junction box	IP 67 rated
Output cable	1 x 4.0mm ² , 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 ²
Mechanical load	5400 Pa / 550 kg/m ²

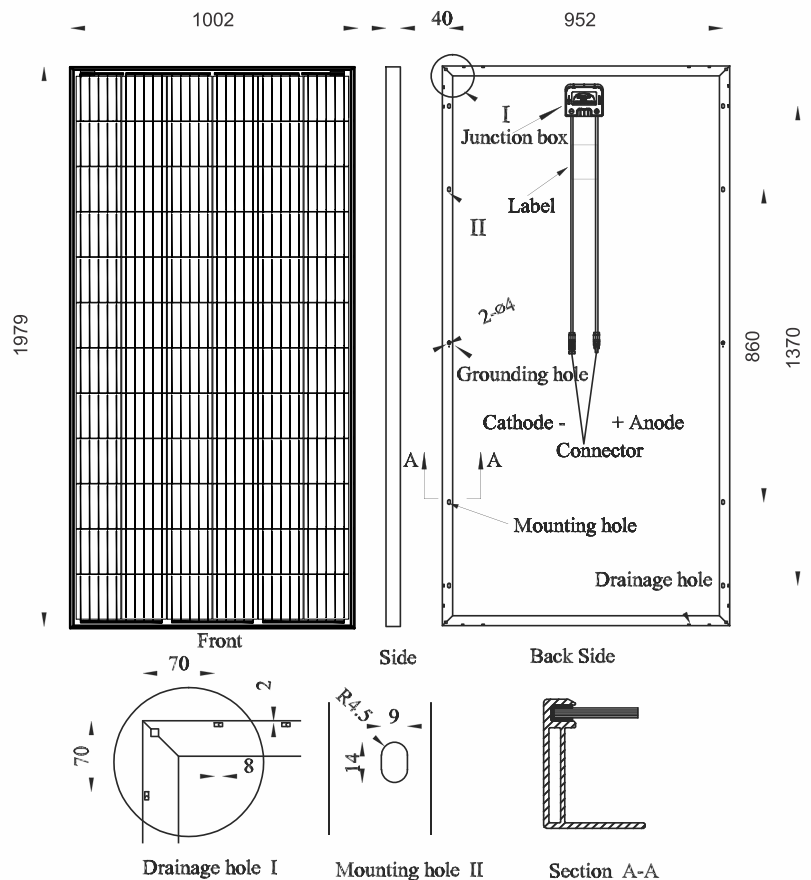
PACKAGING INFORMATION

Packing configuration	56 pcs / double pallet
Loading Capacity	616 pcs / 40HQ
Size / pallet (mm)	2015 x 1120 x 2335
Weight	1380 kg / double pallet

CERTIFICATES



DIMENSIONS



AES-DSH2019 V.002

All rights reserved. Specifications included in this data sheet are subject to change without notice.

AE Solar GmbH

Messerschmittring 54
86343 Königsbrunn
Germany

Tel.: +49 8231 92 92 52 2

Fax: +49 8231 97 82 68 9

Email: sales@ae-solar.com

Web: www.ae-solar.com