

Inspiring green-energy since 2003

AE HALF CELL
 MONOCRYSTALLINE PV MODULES
 AE HM6-72 Series 385W-400W
 tested by  **Fraunhofer**
 CSP

72 CELLS	 MICRO-CRACK FREE	 PID RESISTANT	 SALT CORROSION RESISTANT	 SAND RESISTANT	 NH ₃ S AMMONIA RESISTANT	 HIGHLY STABLE AND TOUGH
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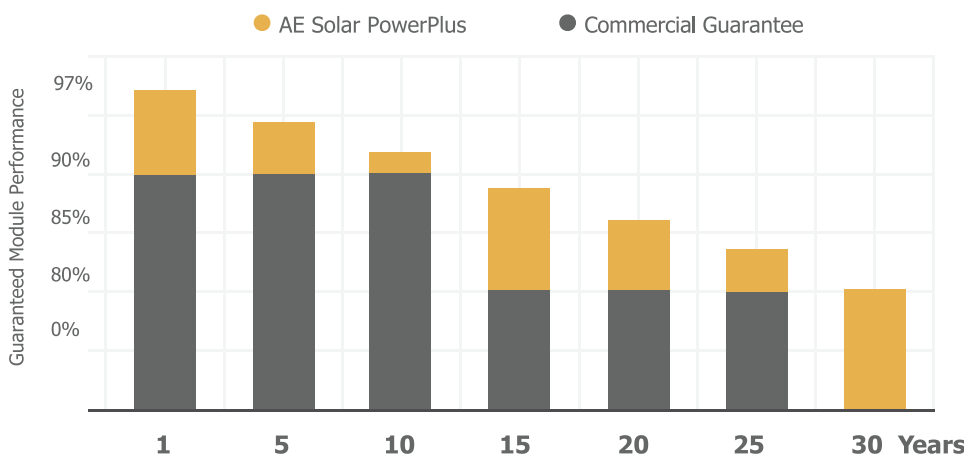
✓ GERMAN QUALITY
 AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

+ 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 HALF CELL Series 385W-400W

SPECIFICATIONS

		AE385HM6-72	AE390HM6-72	AE395HM6-72	AE400HM6-72
Nominal Max. Power	Pmax (Wp)	385	390	395	400
Maximum power voltage	Vmp(V)	40.66	40.93	41.19	41.45
Maximum power current	Imp (A)	9.47	9.53	9.59	9.65
Open-circuit voltage	Voc(V)	48.99	49.26	49.42	49.72
Short-circuit current	Isc (A)	10.25	10.32	10.28	10.44
Module efficiency	(%)	19.42	19.68	19.93	20.18
Operating temperature	(°C)	-40 to +85			
Maximum system voltage DC	V (IEC)	1000			
Maximum series fuse rating	(A)	15			
Power tolerance	(%)	0/+4.99			
Temp. coefficients of Pmax	(%/°C)	-0.38			
Temp. coefficients of Voc	(%/°C)	-0.31			
Temp. coefficients of Isc	(%/°C)	0.05			
Nom. Operating cell temp.(NOCT)	(°C)	41±3			

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 156.75 x 78.38mm
No. of cells	72 (6 x 12)
Dimensions	2000 x 991 x 40mm
Weight	22 KG
Junction box	IP 68 rated
Output cable	1 x 4.0mm ² 350 mm length or customised
Connector type	MC 4 / MC 4 compatible
Hail resistance	Max. Ø 25 mm, at 23 m/s
Wind load	2400 Pa / 244 kg/m ²
Mechanical load	5400 Pa / 550 kg/m ²

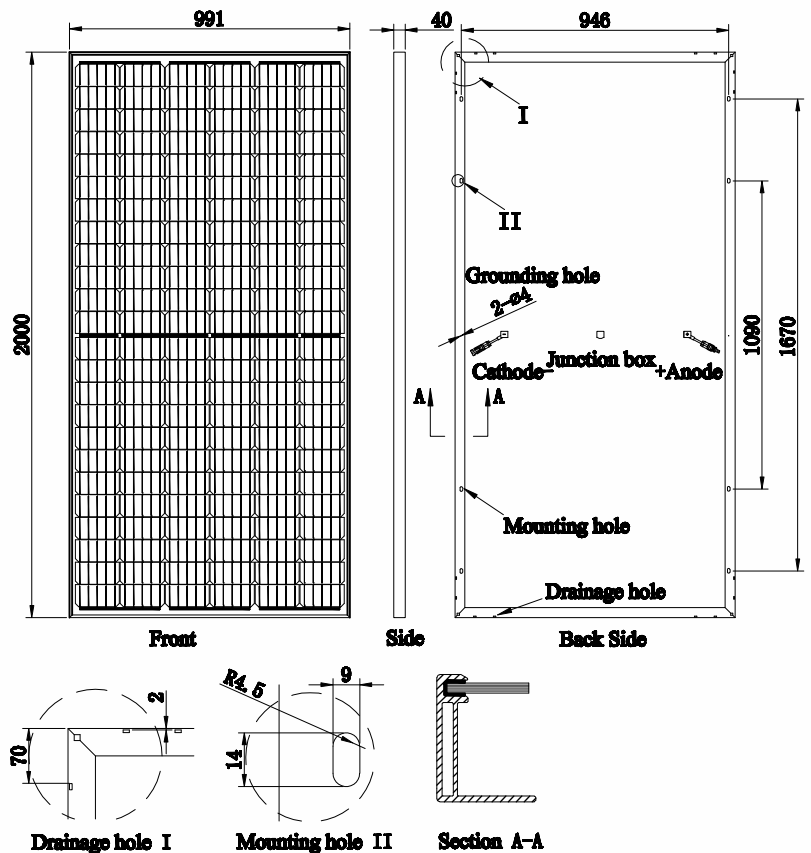
PACKAGING INFORMATION

Packing configuration	56 pcs / double pallet
Loading Capacity	616 pcs / 40HQ
Size / pallet (mm)	2040 x 1120 x 2385
Weight	1315 kg / pallet

CERTIFICATES



DIMENSIONS



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