

Inspiring green-energy since 2003

AE HALF CELL LARGE MONOCRYSTALLINE PV MODULES AE HM6L-72 Series 380W-395W

tested by  **Fraunhofer**
CSP

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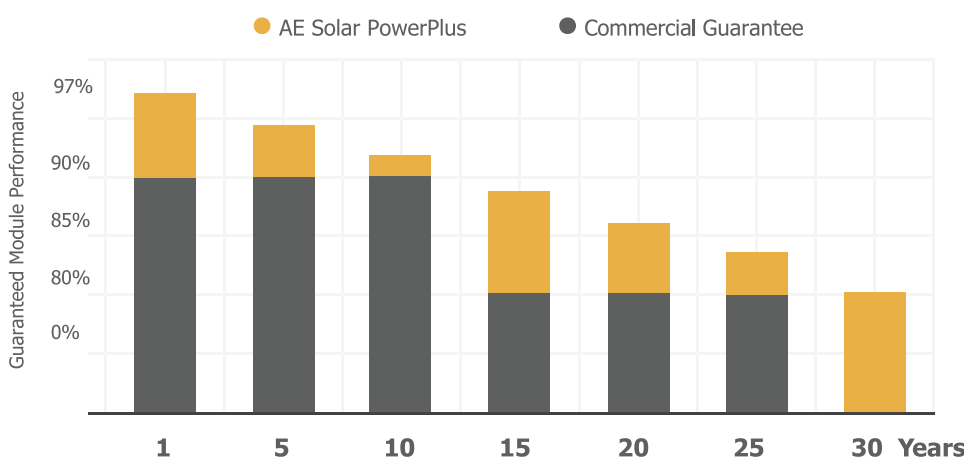
✓ GERMAN QUALITY
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

+ 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 HALF CELL Series 380W-395W

SPECIFICATIONS

		AE380M-72H	AE385M-72H	AE390M-72H	AE395M-72H
Nominal Max. Power	P _{max} (Wp)	380	385	390	395
Maximum power voltage	V _{mp} (V)	39.6	40.1	40.5	40.8
Maximum power current	I _{mp} (A)	9.59	9.61	9.64	9.69
Open-circuit voltage	V _{oc} (V)	48.1	48.5	49.7	50.1
Short-circuit current	I _{sc} (A)	9.99	10.03	10.08	10.13
Module efficiency	(%)	18.91	19.15	19.40	19.65
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 P _{max}	(%/°C)	-0.37			
Temp. coefficients of V _{oc}	(%/°C)	-0.29			
Temp. coefficients of I _{sc}	(%/°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 158.75*79.38mm
No. of cells	144 Cells (72 Full Cells)
Dimensions	2010*1000*40
Weight	23KG
Junction box	IP 68 rated
Output cable	1 x 4.0mm ² , 1250mm 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

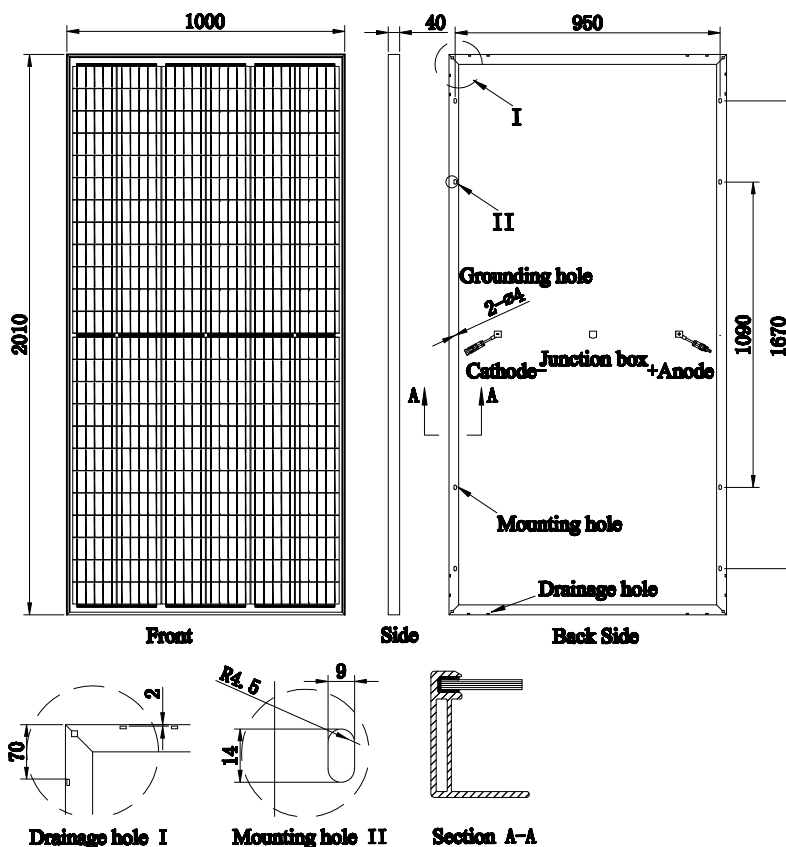
PACKAGING INFORMATION

Packing configuration	56 pcs / double pallet
Loading Capacity	616 pcs / 40HQ
Size / pallet (mm)	2040 x 1120 x 2335
Weight	1360 kg / pallet

CERTIFICATES



DIMENSIONS



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