



Inspiring green-energy since 2003

IEC 1500 VDC
PERC Technology

AE LARGE CELL
MONOCRYSTALLINE PV MODULES
AE HM6-72 Series 375W-395W

72 CELLS	PID RESISTANT	SALT CORROSION RESISTANT	SAND RESISTANT	NH₃ S AMMONIA RESISTANT	HIGHLY STABLE AND TOUGH
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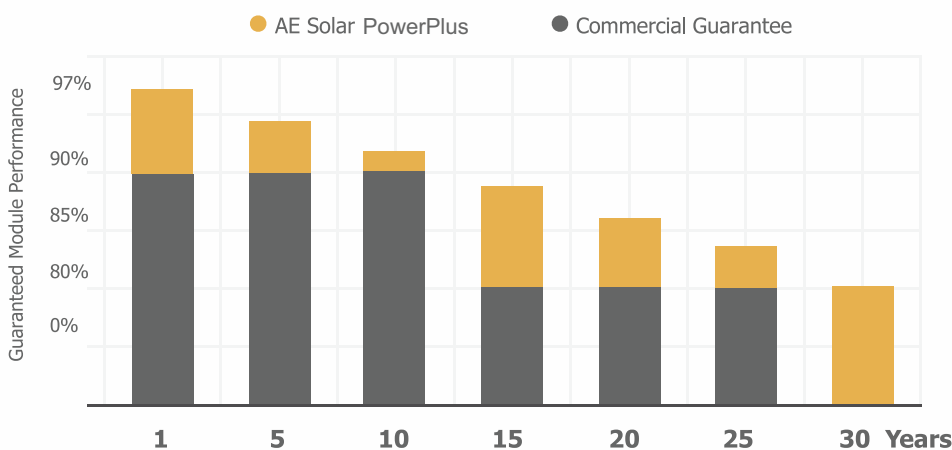
GERMAN QUALITY
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

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 HM6-72 Series 375W-395W

SPECIFICATIONS

		AE375HM6-72	AE380HM6-72	AE385HM6-72	AE390HM6-72	AE395HM6-72
Nominal Max. Power	Pmax (Wp)	375	380	385	390	395
Maximum power voltage	Vmp(V)	40.20	40.50	40.80	41.10	41.40
Maximum power current	Imp (A)	9.33	9.39	9.44	9.49	9.54
Open-circuit voltage	Voc(V)	48.72	48.90	49.10	49.30	49.48
Short-circuit current	Isc (A)	9.68	9.75	9.92	10.12	10.50
Module efficiency	(%)	18.91	19.16	19.42	19.67	20.01
Power tolerance	Pmax (Wp)				0 / + 5	
Maximum system voltage DC	(V)				1500	
Maximum series fuse rating	(A)				15	
Operating temperature	(°C)				-40 to +85	
Temp. coefficients of Pmax	(%/°C)				-0.37	
Temp. coefficients of Voc	(%/°C)				-0.28	
Temp. coefficients of Isc	(%/°C)				0.048	
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 158.75 x 158.75mm
No. of cells	72 (6 x 12)
Dimensions	1979 X 996 X 40 mm
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

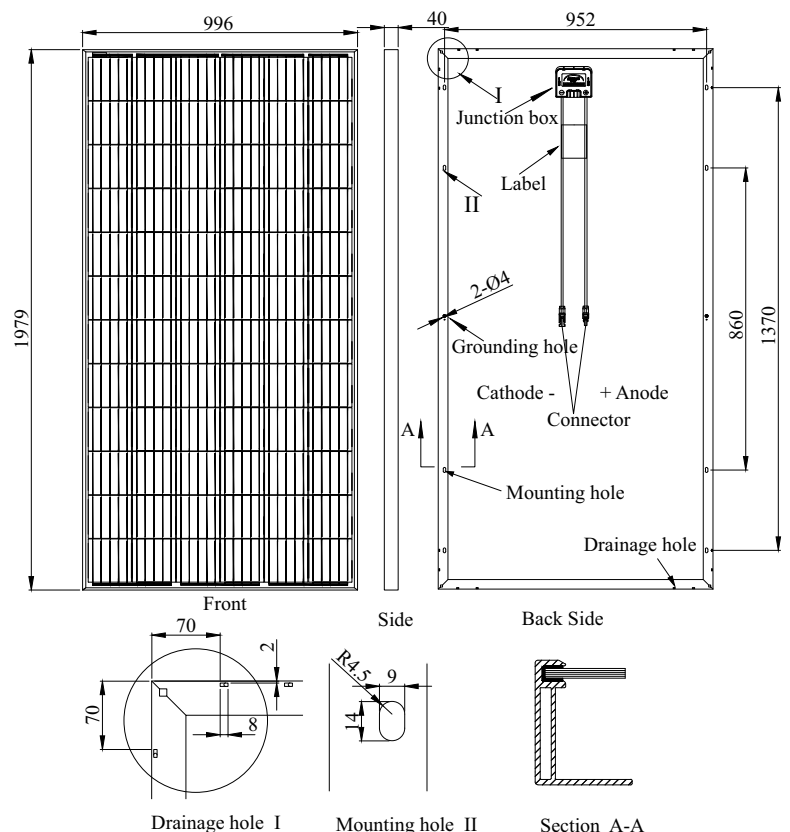
PACKAGING INFORMATION

Packing configuration	56 pcs / double pallet
Loading Capacity	616 pcs / 40HQ
Size / pallet (mm)	2015x1120x2335mm
Weight	1380 kg / double pallet

CERTIFICATES



DIMENSIONS



AES-DSH2019 V.002
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