



Inspiring green-energy since 2003

## PERC Technology

# AE LARGE CELL BIFACIAL MONOCRYSTALLINE PV MODULES WITH TRANSPARENT BACKSHEET AE HM6-72 Series 380W-400W

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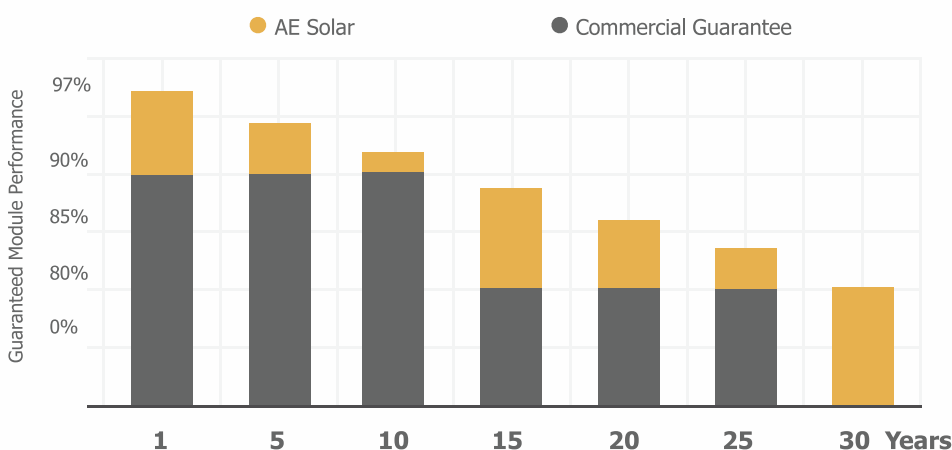
**✓ GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**+ 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 380W-400W

## SPECIFICATIONS

		AE380HM6-72	AE385HM6-72	AE390HM6-72	AE395HM6-72	AE400HM6-72
Nominal Max. Power	Pmax (Wp)	380	385	390	395	400
Maximum power voltage	Vmp(V)	40.50	40.80	41.10	41.40	41.71
Maximum power current	Imp (A)	9.39	9.44	9.49	9.54	9.59
Open-circuit voltage	Voc(V)	48.90	49.10	49.30	49.48	49.69
Short-circuit current	Isc (A)	9.75	9.92	10.12	10.50	10.59
Module efficiency	(%)	19.28	19.53	19.79	20.04	20.29
Power tolerance	Pmax (Wp)				0 / + 5	
Maximum system voltage DC	(V)				1000	
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/m<sup>2</sup> with spectrum AM 1.5 and a cell temperature of 25°C.

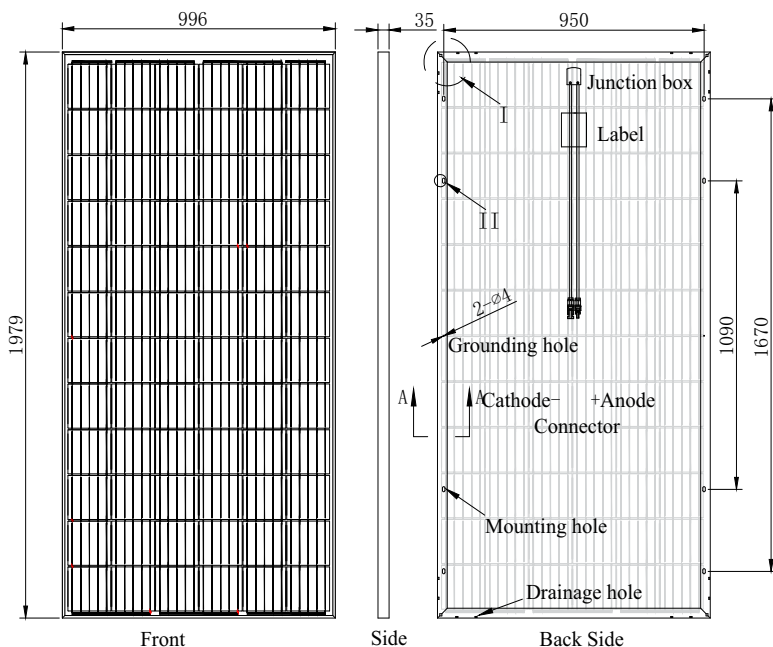
## MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline 158.75 x 158.75mm
No. of cells	72 (6 x 12)
Dimensions	1979 X 996 X 35 mm
Weight	21 KG
Junction box	IP 67 rated
Output cable	1 x 4.0mm <sup>2</sup> , 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 <sup>2</sup>
Mechanical load	5400 Pa / 550 kg/m <sup>2</sup>

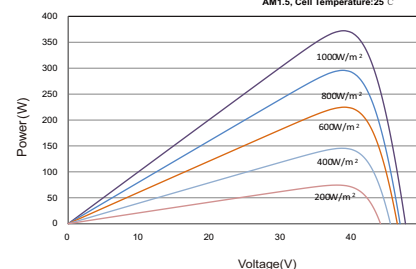
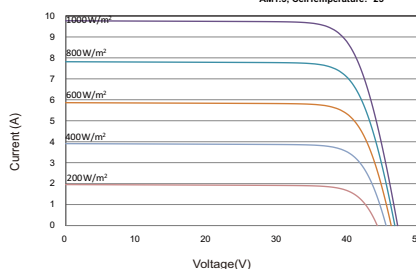
## PACKAGING INFORMATION

Packing configuration	64 pcs / double pallet
Loading Capacity	704 pcs / 40HQ
Size / pallet (mm)	2015x1120x2395
Weight	1464 kg / double pallet

## DIMENSIONS



## CERTIFICATES



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