



Inspiring green-energy since 2003



PERC Technology AE LARGE CELL FULL BLACK MONOCRYSTALLINE PV MODULES AE HM6-72 Series 370W-400W

72
CELLS

PID
RESISTANT

SALT CORROSION
RESISTANT

SAND
RESISTANT

NH₃
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.

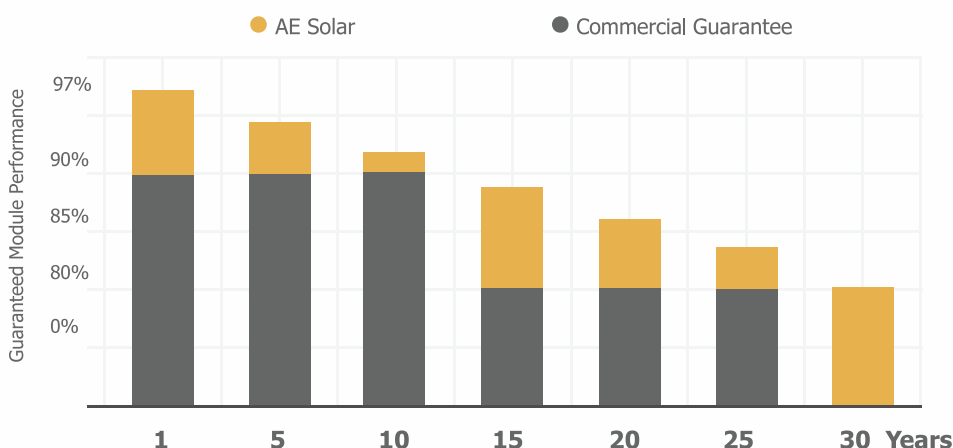
PERFORMANCE GUARANTEE

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 HM6-72 Series 370W-400W

AE370HM6-72 AE375HM6-72 AE380HM6-72 AE385HM6-72 AE390HM6-72 AE395HM6-72 AE400HM6-72

SPECIFICATIONS

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	10.12	10.50	10.59
Module efficiency	(%)	18.77	19.08	19.28	19.53	19.79	20.04	20.29
Power tolerance	P _{max} (Wp)	0 / + 5						
Maximum system voltage DC	(V)	1000						
Maximum series fuse rating	(A)	15						
Operating temperature	(°C)	-40 to +85						
Temp. coefficients of P _{max}	(%/°C)	-0.37						
Temp. coefficients of V _{oc}	(%/°C)	-0.28						
Temp. coefficients of I _{sc}	(%/°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 35 mm
Weight	21 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

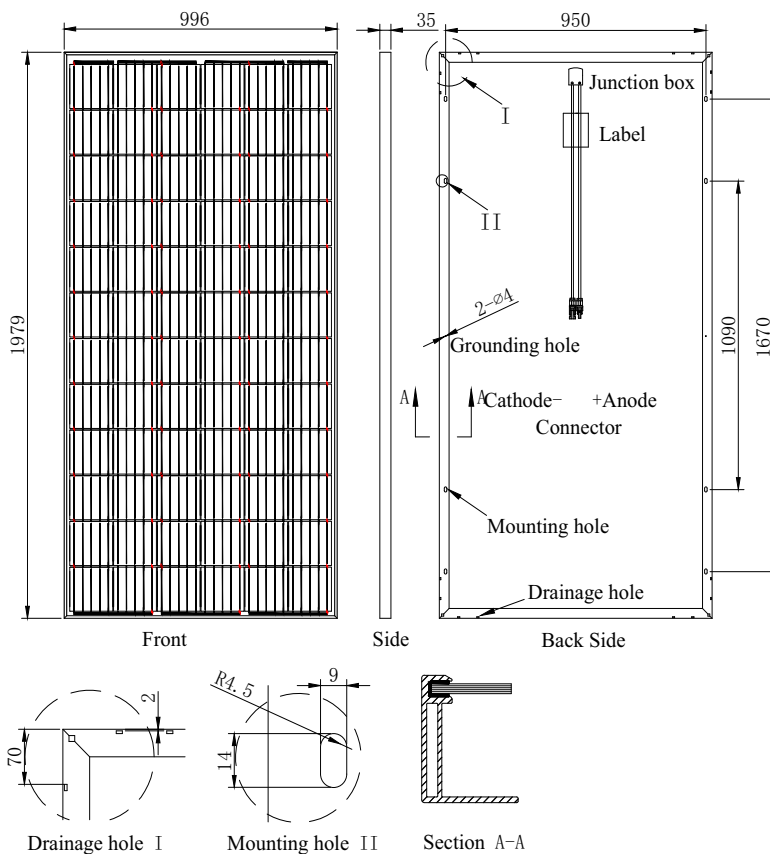
PACKAGING INFORMATION

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

CERTIFICATES



DIMENSIONS



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