

Inspiring green-energy since 2003

AE HALF CELL LARGE MONOCRYSTALLINE PV MODULES

AE HM6L-60 Series 325W-340W

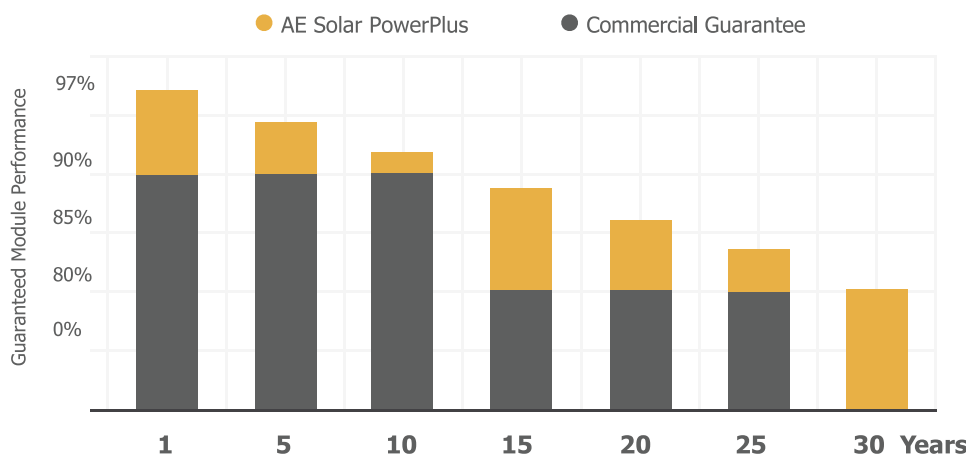
tested by  **Fraunhofer**
CSP

60 CELLS	 PID RESISTANT	 SALT CORROSION RESISTANT	 SAND RESISTANT	 AMMONIA RESISTANT	 HIGHLY STABLE AND TOUGH
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- TEMPERATURE**
Hot spot temperature lower than 85°C
The IEC61215 test shows that with a zero percentage, a small and a 100 percentage of shaded area, respectively hot spots will not exceed 85°C, which is the maximum operating condition.
- SAFETY**
Instantly reduced temperature, thus eliminating material hazard and ensuring more safety of the module, preventing fire risks caused by hot spots.
- GERMAN QUALITY**
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.
- 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.

- RELIABILITY**
Bypass diodes prevent cells mismatching at shaded areas. The lower temperature of hot-spot free modules will eliminate potential cause for back sheet degradation, hence enhancing reliability for longer term.
- HIGH RETURNS**
This new technology prevents instant falls in the module output, thus increasing the performance ratio up to 30% and return for all types of installations.
- PLUS-SORTING**
Higher yield due to plus-sorting from 0 up to +5 Wp guarantees the high system efficiency and yield stability.
- 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 SELL Series 310W-330W

SPECIFICATIONS

		AE325HM6L-60	AE330HM6L-60	AE335HM6L-60	AE340HM6L-60
Nominal Max. Power	Pmax (Wp)	325	330	335	340
Maximum power voltage	Vmp(V)	33.6	33.8	34.0	34.2
Maximum power current	Imp (A)	9.67	9.76	9.85	9.94
Open-circuit voltage	Voc(V)	40.4	40.6	40.7	41.1
Short-circuit current	Isc (A)	10.30	10.40	10.50	10.60
Module efficiency	(%)	19.28	19.57	19.84	20.07
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)	-0.37			
Temp. coefficients of Voc	(%/°C)	-0.29			
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.

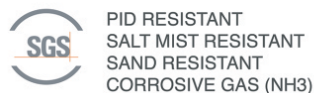
MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline 158.75*79.38mm
No. of cells	120 Cells (60 Full Cells)
Dimensions	1686*1000*35mm
Weight	19.5 KG
Junction box	IP 68 rated
Output cable	1 x 4.0mm ² 1160 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

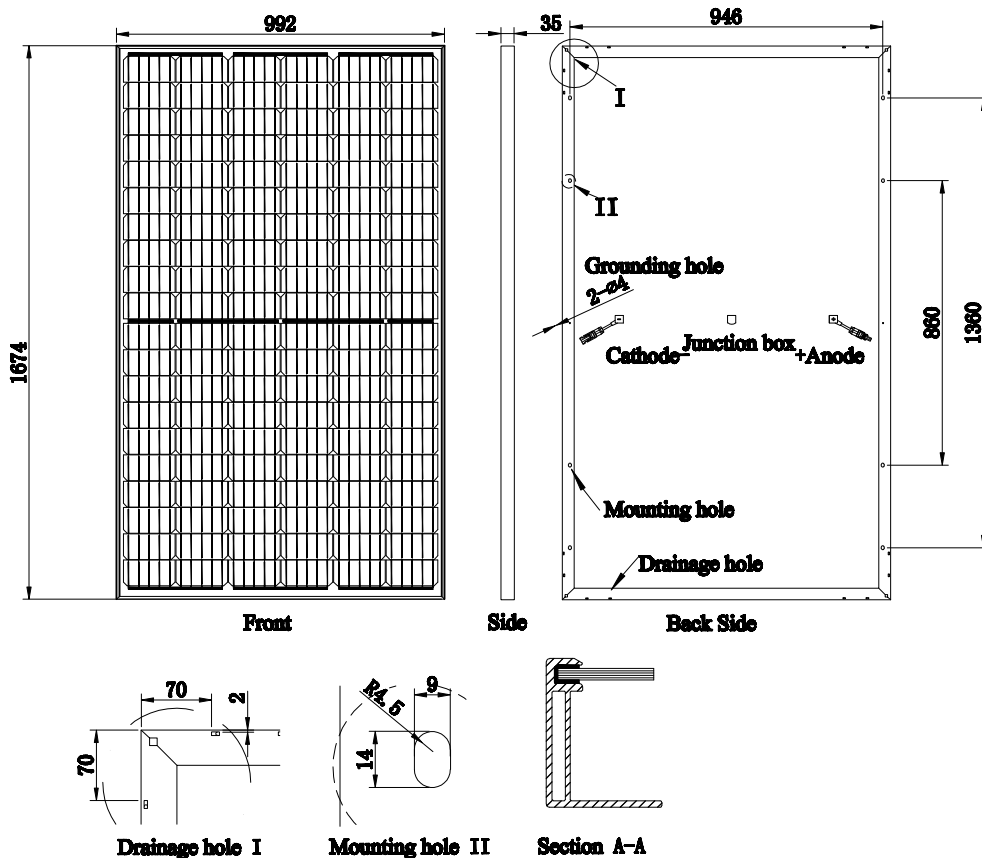
PACKAGING INFORMATION

Packing configuration	60 pcs / double pallet
Loading Capacity	780 pcs / 40HQ
Size / pallet (mm)	1720 x 1135 x 2240
Weight	1270 kg / pallet

CERTIFICATES



DIMENSIONS



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AE Solar GmbH

Messerschmitring 54
86343 Königsbrunn
Germany

Tel.: +49 8231 92 92 52 2

Fax: +49 8231 97 82 68 9

Email: sales@ae-solar.com

Web: www.ae-solar.com