



Inspiring green-energy since 2003

## AE HALF LARGE CELL MONOCRYSTALLINE PV MODULES AE HM6L-60 Series 320W-345W

tested by  **Fraunhofer**  
CSP

<b>120</b> CELLS	 <b>MICRO-CRACK FREE</b>	 <b>PID RESISTANT</b>	 <b>SALT CORROSION RESISTANT</b>	 <b>SAND RESISTANT</b>	$\frac{NH_3}{S}$ <b>AMMONIA RESISTANT</b>	 <b>HIGHLY STABLE AND TOUGH</b>
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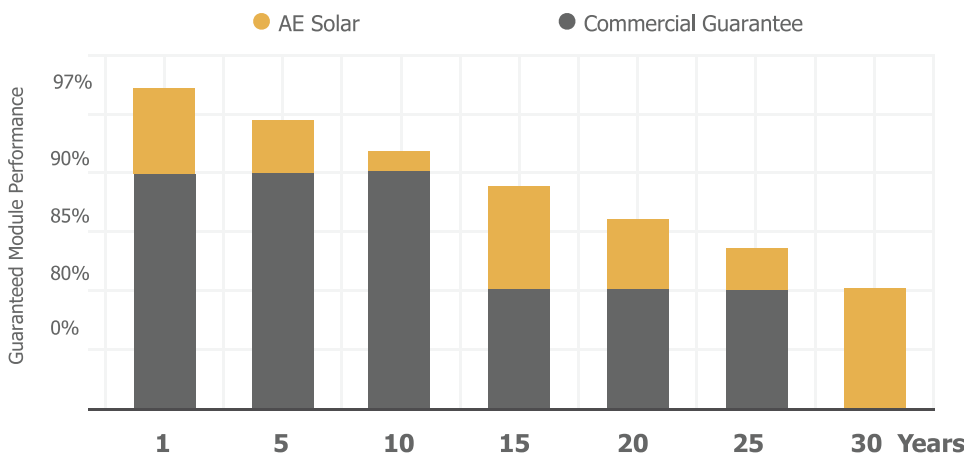
**✓ GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**+ 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 HM6L-60 Series 320W-345W

## SPECIFICATIONS

		AE320HM6L-60	AE325HM6L-60	AE330HM6L-60	AE335HM6L-60	AE340HM6L-60	AE345HM6L-60
Nominal Max. Power	P <sub>max</sub> (Wp)	320	325	330	335	340	345
Maximum power voltage	V <sub>mp</sub> (V)	33.61	33.89	34.17	34.44	34.69	34.95
Maximum power current	I <sub>mp</sub> (A)	9.52	9.59	9.66	9.73	9.80	9.87
Open-circuit voltage	V <sub>oc</sub> (V)	40.74	41.05	41.32	41.61	41.88	42.32
Short-circuit current	I <sub>sc</sub> (A)	9.98	10.06	10.14	10.22	10.30	10.38
Module efficiency	(%)	19.08	19.38	19.67	19.97	20.27	20.57
Operating temperature	(°C)	-40 to +85					
Maximum system voltage DC	V (IEC)	1500					
Maximum series fuse rating	(A)	15					
Power tolerance	(%)	0/+4.99					
Temp. coefficients of P <sub>max</sub>	(%/°C)	-0.3438					
Temp. coefficients of V <sub>oc</sub>	(%/°C)	-0.2722					
Temp. coefficients of I <sub>sc</sub>	(%/°C)	0.0353					
Nom. Operating cell temp.(NOCT)	(°C)	44±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 79.38mm
No. of cells	120 (60 full cells)
Dimensions	1692 x 996 x 35 MM
Weight	19 KG
Junction box	IP 68 rated
Output cable	1 x 4.0mm <sup>2</sup> 350 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 <sup>2</sup>
Mechanical load	5400 Pa / 550 kg/m <sup>2</sup>

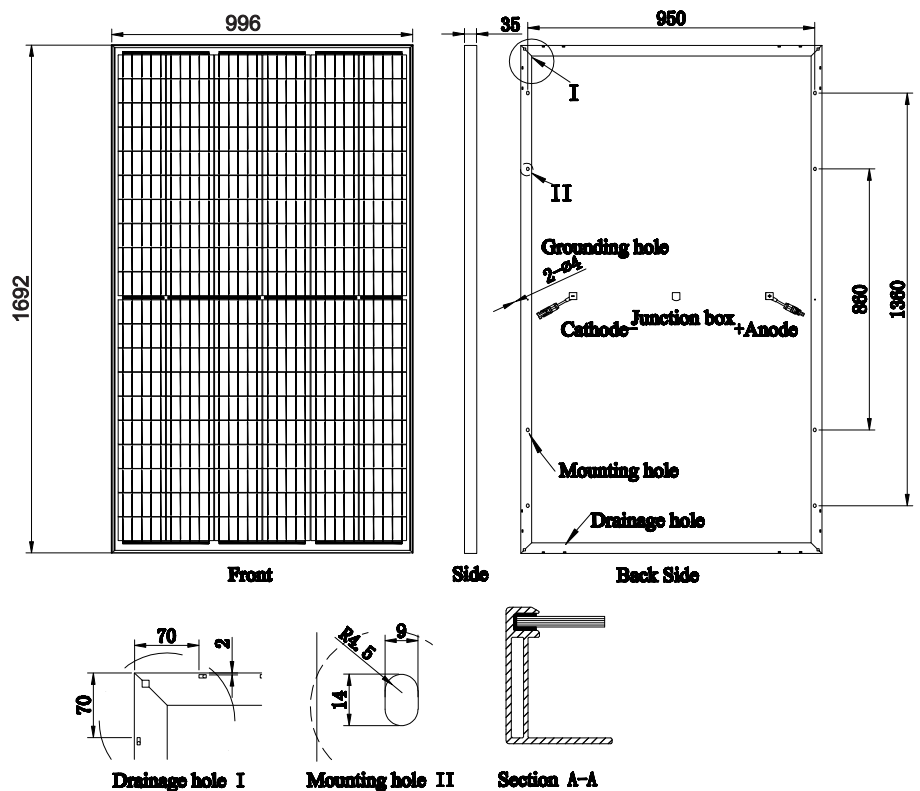
## PACKAGING INFORMATION

Packing configuration	64 pcs / double pallet
Loading Capacity	832 pcs / 40HQ
Size / pallet (mm)	1725 x1135 x2395
Weight	1335 kg / pallet

## CERTIFICATES



## DIMENSIONS



AES-DSH2019 V.002  
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