



Inspiring green-energy since 2003



## PERC Technology LARGE CELL

### AE SMART HOT-SPOT FREE MONOCRYSTALLINE PV MODULES AE HM6-60 Series 305W-335W

**60**  
CELLS



**PID**  
RESISTANT



**SALT CORROSION**  
RESISTANT



**SAND**  
RESISTANT



**AMMONIA**  
RESISTANT



**HIGHLY STABLE**  
AND TOUGH

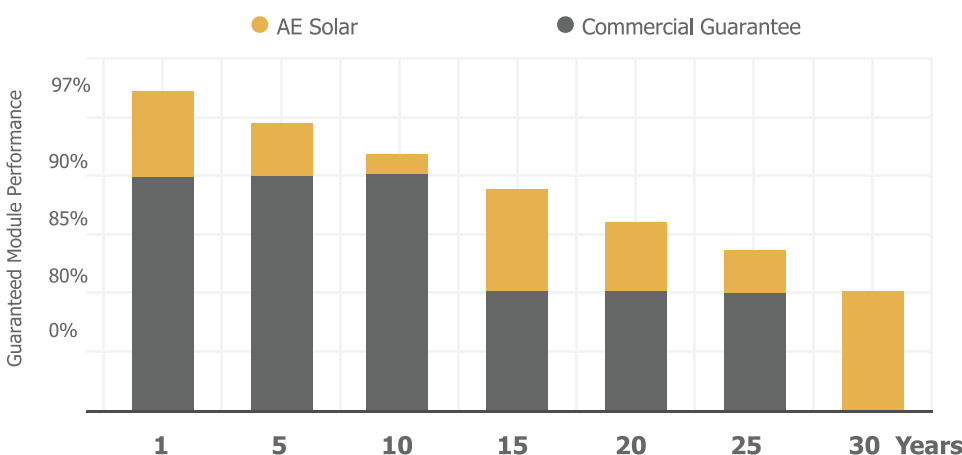
**✓ GERMAN QUALITY**  
AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**+ 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 HM6-60 Series 305W-335W

## SPECIFICATIONS

AE305HM6-60    AE310HM6-60    AE315HM6-60    AE320HM6-60    AE325HM6-60    AE330HM6-60    AE335HM6-60

		AE305HM6-60	AE310HM6-60	AE315HM6-60	AE320HM6-60	AE325HM6-60	AE330HM6-60	AE335HM6-60
Nominal Max. Power	P <sub>max</sub> (Wp)	305	310	315	320	325	330	335
Maximum power voltage	V <sub>mp</sub> (V)	32.80	33.00	33.20	33.40	33.61	33.81	34.02
Maximum power current	I <sub>mp</sub> (A)	9.30	9.40	9.49	9.59	9.68	9.76	9.85
Open-circuit voltage	V <sub>oc</sub> (V)	40.31	40.50	40.70	40.90	41.10	41.31	41.49
Short-circuit current	I <sub>sc</sub> (A)	9.83	9.92	10.04	10.15	10.20	10.37	10.49
Module efficiency	(%)	18.12	18.42	18.71	19.01	19.31	19.61	19.90
Power tolerance	P <sub>max</sub> (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 <sub>max</sub>	(%/°C)	-0.37						
Temp. coefficients of V <sub>oc</sub>	(%/°C)	-0.28						
Temp. coefficients of I <sub>sc</sub>	(%/°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	60 (6 x 10)
Dimensions	1690 x 996 x 35 mm
Weight	19.0 kg
Junction box	IP 67 rated
Output cable	1 x 4.0mm <sup>2</sup> , 900mm 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>

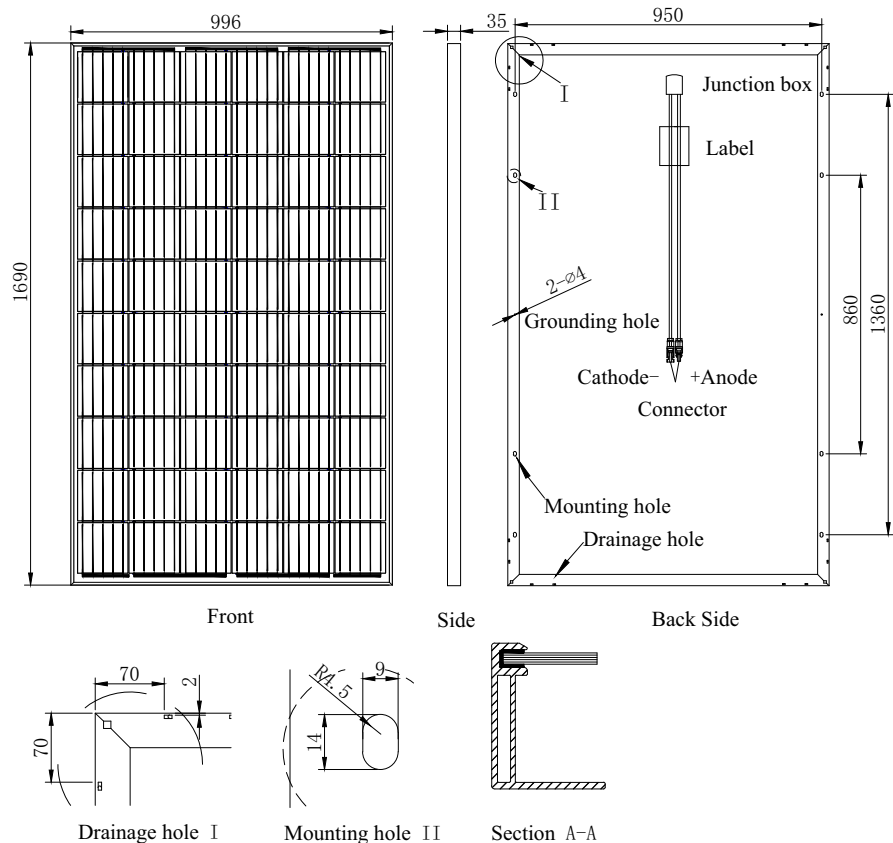
## PACKAGING INFORMATION

Packing configuration	64 pcs / double pallet
Loading Capacity	832 pcs / 40HQ
Size / pallet (mm)	1725 X 1135 X 2395mm
Weight	1315 kg / double pallet

## CERTIFICATES



## DIMENSIONS



AES-DSH2019 V.002  
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