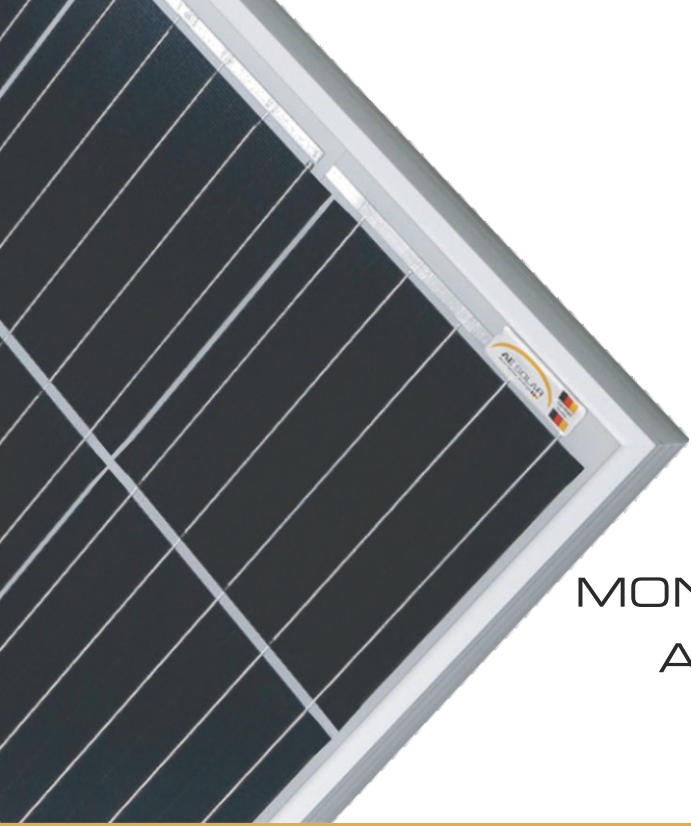




Inspiring green-energy since 2003



# AE SMART HOT-SPOT FREE MONOCRYSTALLINE PV MODULES

## AE HM6-60 Series 320W-335W

<b>60 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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**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.

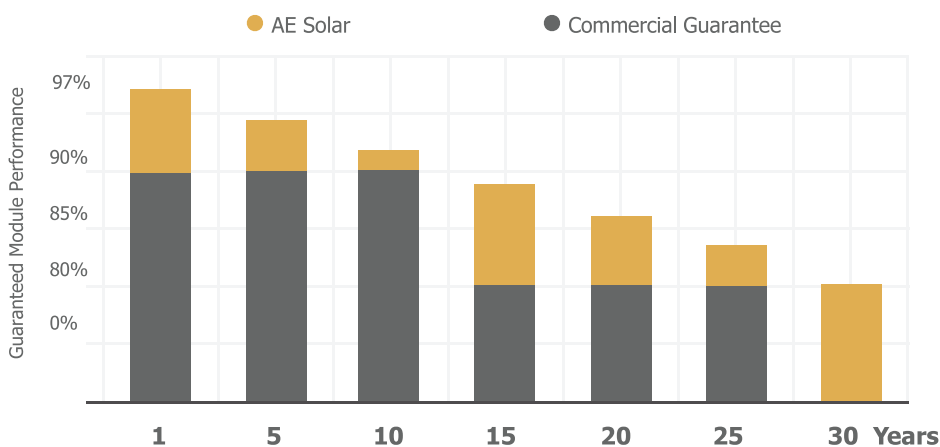
**RELIABILITY**  
Bypass diodes prevent cells mismatching at shaded areas. The lower temperature of hot-spot free modules will eliminate potential cause for back sheet degradation, hence enhancing reliability for longer term.

**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 HM6-60 Series 320W-335W

## SPECIFICATIONS

		AE320HM6-60	AE325HM6-60	AE330HM6-60	AE335HM6-60
Nominal Max. Power	P <sub>max</sub> (Wp)	320	325	330	335
Maximum power voltage	V <sub>mp</sub> (V)	33.40	33.61	33.81	34.02
Maximum power current	I <sub>mp</sub> (A)	9.59	9.68	9.76	9.85
Open-circuit voltage	V <sub>oc</sub> (V)	40.90	41.10	41.31	41.49
Short-circuit current	I <sub>sc</sub> (A)	10.15	10.20	10.37	10.49
Module efficiency	(%)	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.

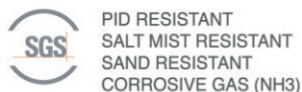
## MATERIAL CHARACTERISTICS

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>

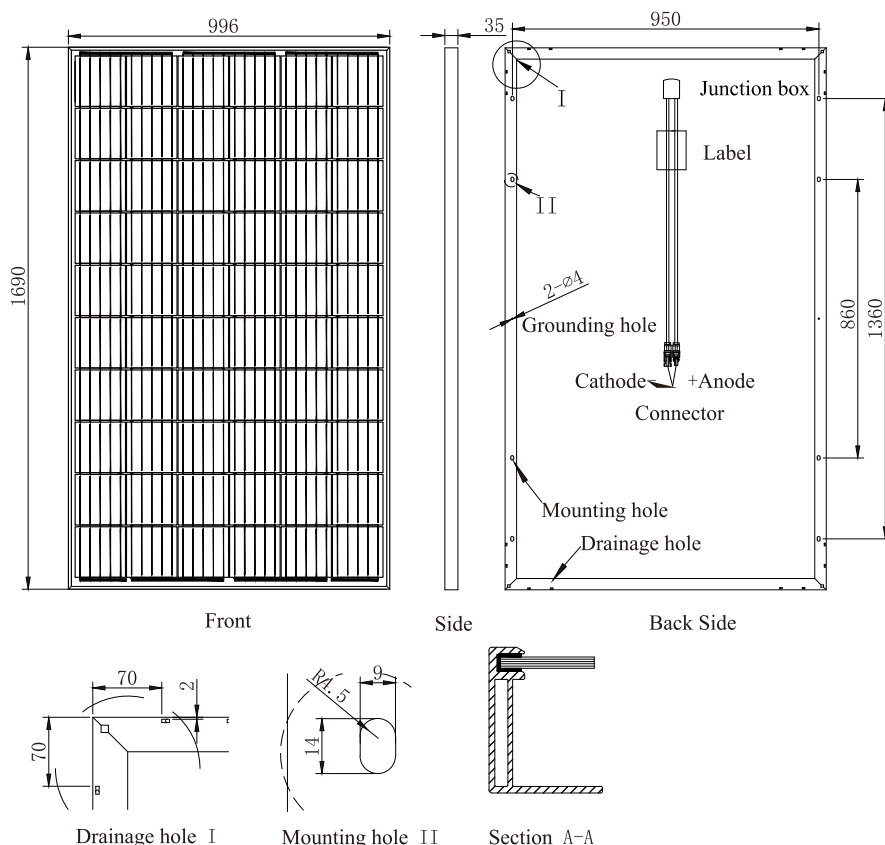
## PACKAGING INFORMATION

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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