



Inspiring green-energy since 2003



PERC Technology  
 LARGE CELL  
 AE SMART HOT-SPOT FREE  
 MONOCRYSTALLINE PV MODULES  
 AE HM6-36 Series 190 W - 200 W

 <b>36</b> CELLS	 <b>PID</b> RESISTANT	 <b>SALT CORROSION</b> RESISTANT	 <b>SAND</b> RESISTANT	 $\frac{NH_3}{S}$ <b>AMMONIA</b> RESISTANT	 <b>HIGHLY STABLE</b> AND TOUGH
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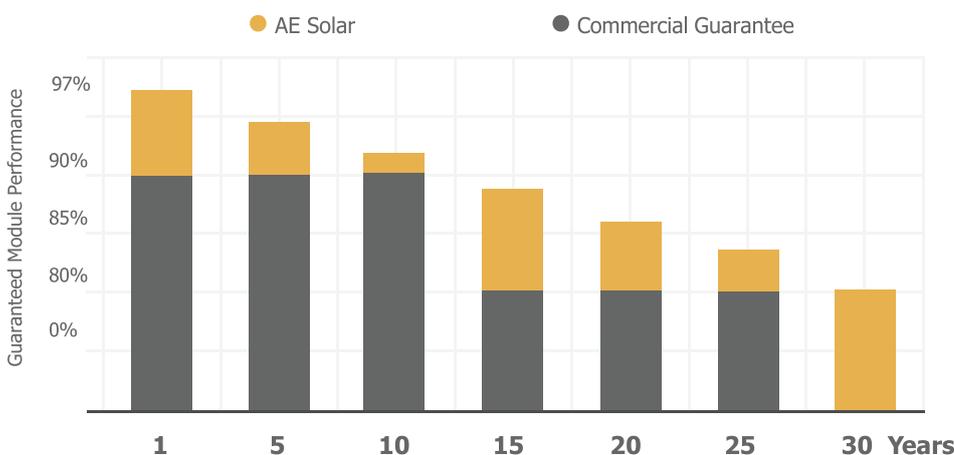
**✓ GERMAN QUALITY**  
 AE Solar photovoltaic modules are produced using high quality materials, automated robotic lines, German technology and standards.

**+ 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 HM6-36 Series 190W - 200W

### SPECIFICATIONS

		AE190HM6-36	AE195HM6-36	AE200HM6-36
Nominal Max. Power	Pmax (Wp)	190	195	200
Maximum power voltage	Vmp(V)	19.92	20.33	20.75
Maximum power current	Imp (A)	9.54	9.59	9.64
Open-circuit voltage	Voc(V)	23.19	23.60	24.03
Short-circuit current	Isc (A)	10.50	10.59	10.67
Module efficiency	(%)	18.26	18.74	19.22
Power tolerance	Pmax (Wp)		0 / + 5	
Maximum system voltage DC	(V)		1000	
Maximum series fuse rating	(A)		15	
Operating temperature	(°C)		-40 to +85	
Temp. coefficients of Pmax	(%/°C)		-0.37	
Temp. coefficients of Voc	(%/°C)		-0.28	
Temp. coefficients of Isc	(%/°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.

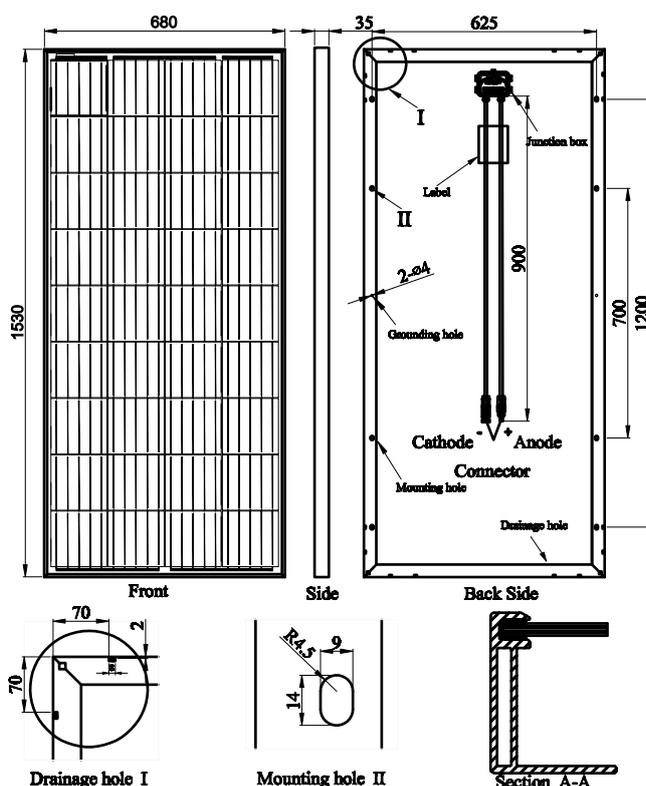
## MATERIAL CHARACTERISTICS

Cell type	Mono-crystalline 158.75 x 158.75mm
No. of cells	36 cells
Dimensions	1530 x 680 x35 mm
Weight	12.5 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	90 pcs / double pallet
Loading Capacity	1260 pcs / 40HQ
Size / pallet (mm)	1725 X 1135 X 2400mm
Weight	1260 KG / double pallet

## DIMENSIONS



## CERTIFICATES



AE-DSH2019 V.002  
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