



Inspiring green-energy since 2003



AE DOUBLE GLASS LARGE CELL MONOCRYSTALLINE PV MODULES AE HM6-60 Series 315W-335W THE LIGHTWEIGHT TECHNOLOGY

60



CELLS

MICRO-CRACK
FREE



FIRE CLASS
A



PID



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.

\$ HIGH RETURNS

This technology increases the performance ratio, eliminates the potential hazards and material degradation, ensures better safety, long life and high investment returns.

🕒 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.

+ PLUS-SORTING

Higher yield due to plus-sorting from 0 up to +5 Wp guarantees the high system efficiency and yield stability.



SAFETY

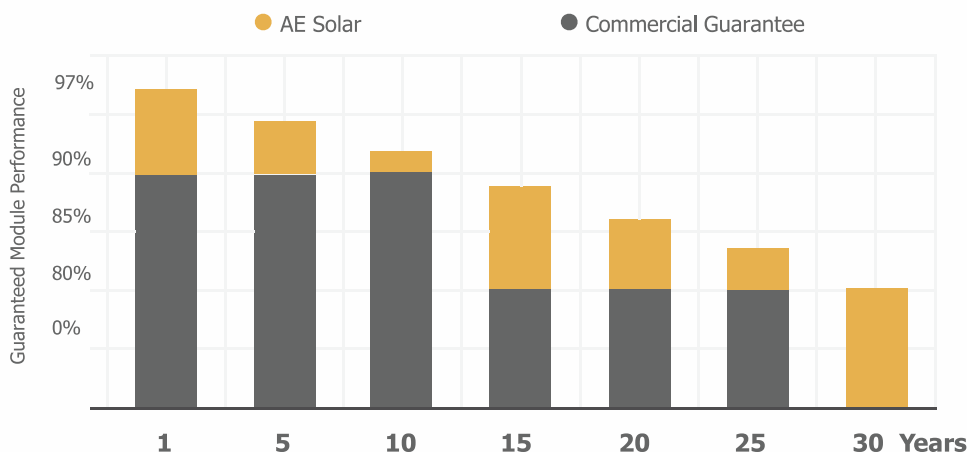
Back sheet is replaced by 2 mm tempered glass, ensuring additional safety, no back sheet degradation and surface for heat loss. Lower temperature offers better and more stable output during high temperature conditions.



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



Deutsche
Qualität
Garantiert

TECHNICAL DATA

AE HM6-60 Series 315W-335W

SPECIFICATIONS

AE315HM6-60 AE320HM6-60 AE325HM6-60 AE330HM6-60 AE335HM6-60

Nominal Max. Power	P _{max} (Wp)	315	320	325	330	335
Maximum power voltage	V _{mp} (V)	33.20	33.40	33.61	33.81	34.02
Maximum power current	I _{mp} (A)	9.49	9.59	9.68	9.76	9.85
Open-circuit voltage	V _{oc} (V)	40.70	40.90	41.10	41.31	41.49
Short-circuit current	I _{sc} (A)	10.04	10.15	10.20	10.37	10.49
Module efficiency	(%)	18.71	19.01	19.31	19.60	19.90
Power tolerance	P _{max} (Wp)	0 / +4.99				
Maximum system voltage DC	(V)	1500				
Maximum series fuse rating	(A)	15				
Operating temperature	(°C)	-40 to +85				
Temp. coefficients of P _{max}	(%/°C)	-0.37				
Temp. coefficients of V _{oc}	(%/°C)	-0.28				
Temp. coefficients of I _{sc}	(%/°C)	0.048				
Nom. Operating cell temp.(NOCT)	(°C)	45±2				

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.

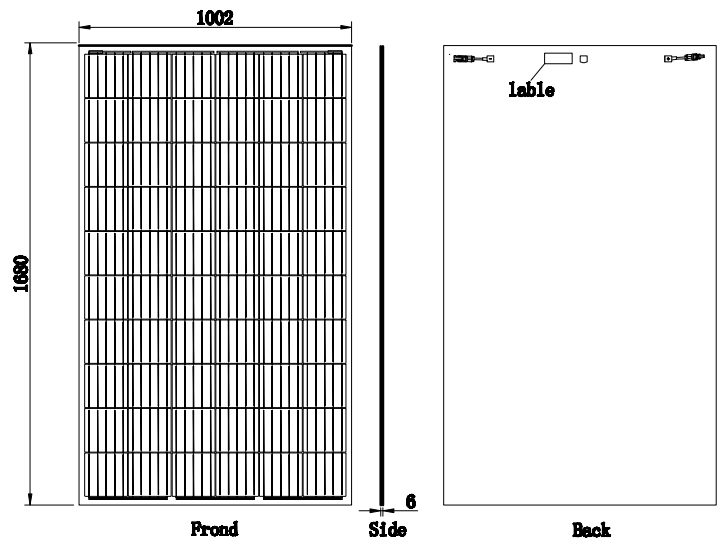
MATERIAL CHARACTERISTICS

Cell Type	Mono-crystalline
Cell Dimension	158.75mm x 158.75mm
Dimensions	1680mm x 1002mm x 6mm (J-box not included)
Weight	23.5 kg
Front Glass	2.5mm tempered AR glass
Encapsulant	POE
Back Glass	2.5 mm tempered glass / 2.5 mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4.0mm ² , 300mm length or costumised
Connector	QC 4. 10-35
Wind load	2400Pa / 244kg / m ²
Mechanical load	5400Pa / 550kg / m ²

PACKAGING INFORMATION

Packing configuration	64 pcs / double pallet
Loading capacity	832 pcs / 40HQ
Size / pallet (mm)	1790 x 1115 x 2316
Weight	1650 kg / double pallet

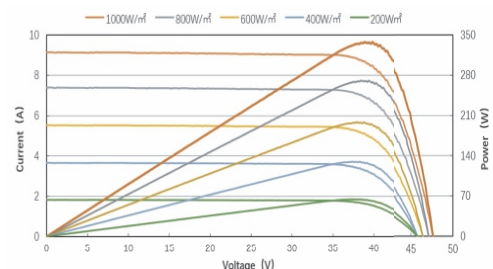
DIMENSIONS



CERTIFICATES



CEC



Excellent performance at 200W/m²(AM 1.5, 25 °C): the conversion efficiency could be 96.5% of STC

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