



Inspiring green-energy since 2003

PERC TECHNOLOGY

AE SHINGLED PV MODULES

MONOCRYSTALLINE PV MODULES

AE SGM6-60 Series 315W-340W

- 60**
CELLS
- PID**
RESISTANT
- SALT CORROSION**
RESISTANT
- SAND**
RESISTANT
- NH₃**
S
AMMONIA
RESISTANT
- HIGHLY STABLE**
AND TOUGH

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.

CRACK RESISTANT
Avoids micro-cracks introduced during conventional stringing process;
Capable of withstanding heavy loads;
Suitable for applications in harsh Environments

AESTHETICALLY PLEASING
Uniform cell layout and symmetric module Design

HIGH EFFICIENCY
High efficiency and class leading quality

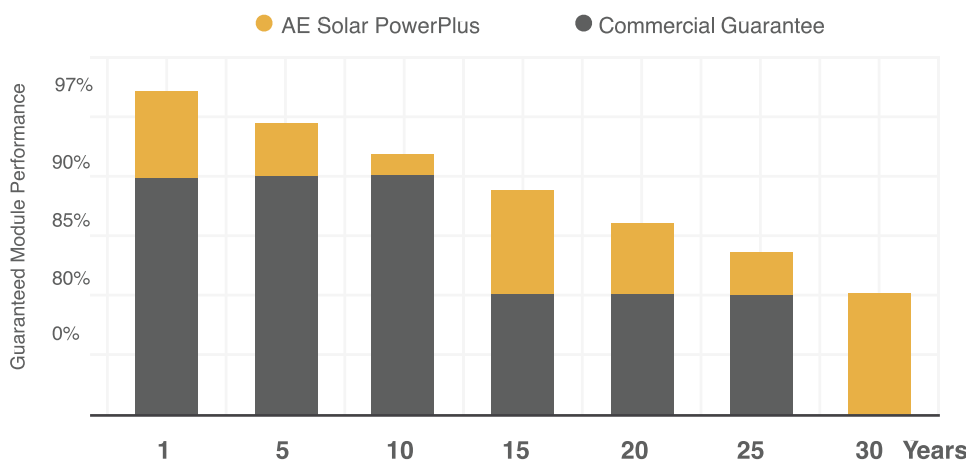
SYSTEM COST REDUCED
10% of Reduction in BOS and Installation cost

HIGH OUTPUT
15%+more output comparing to conventional technology

COMPATIBILITY
PERC Compatible, SHJ mainstream with high efficient cell technologies

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

OUR PERFORMANCE GUARANTEE



30
years
Performance Guarantee

12
years
Product Warranty



Deutsche
Qualität
Garantiert

TECHNICAL DATA

SGM6 SERIES SOLAR MODULE

SPECIFICATIONS

		SGM6-315	SGM6-320	SGM6-325	SGM6-330	SGM6-335	SGM6-340
Nominal Max. Power	P _{max} (Wp)	315	320	325	330	335	340
Maximum power voltage	V _{mp} (V)	36.9	37.0	37.1	37.2	37.3	37.4
Maximum power current	I _{mp} (A)	8.54	8.65	8.76	8.87	8.98	9.09
Open-circuit voltage	V _{oc} (V)	44.9	45.0	45.1	45.1	45.2	45.2
Short-circuit current	I _{sc} (A)	9.36	9.39	9.42	9.45	9.49	9.51
Module efficiency	(%)	18.2	18.5	18.8	19.0	19.3	19.6
Power tolerance	P _{max} (Wp)					0 / + 5	
Maximum system voltage DC	V _{DC} (IEC)					1000/1500	
Operating temperature	(°C)					-40 to +85	
Temp. coefficients of P _{max}	(%/°C)					-0.40	
Temp. coefficients of V _{oc}	(%/°C)					-0.31	
Temp. coefficients of I _{sc}	(%/°C)					0.05	
Nom. Operating cell temp.(NOCT)	(°C)					42.3±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.

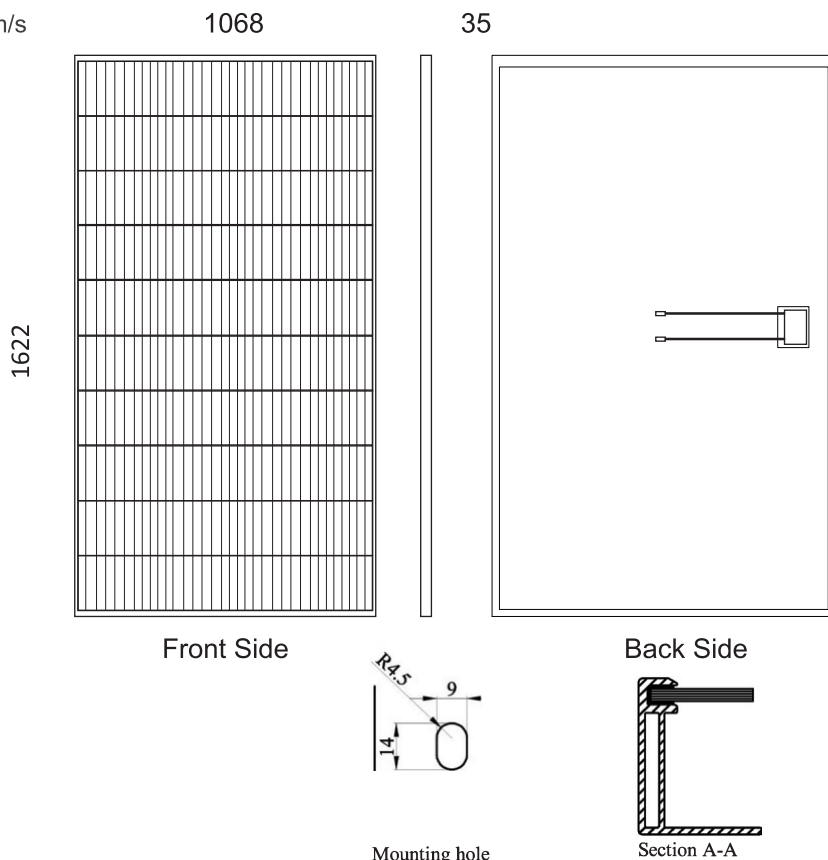
MATERIAL CHARACTERISTICS

Cell type	Perc Mono-crystalline silicon solar cells
Dimensions	1622x1068x35 mm
Weight	19.8 kg
Junction box	15A; TUV&UL; IP67
Output cable	1000mm/4mm ²
Connector type	compatibility MC 4
Hail resistance	Diameter of 1m. Ø 25 mm, at 23 m/s
Mechanical load	5400 Pa

PACKAGING INFORMATION

Packing configuration	60 pcs / double pallet
Loading Capacity	840 pcs / 40HQ
Size / pallet (mm)	1622 x 1135 x 2380
Weight	1284 kg / double pallet

DIMENSIONS



CERTIFICATES



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