



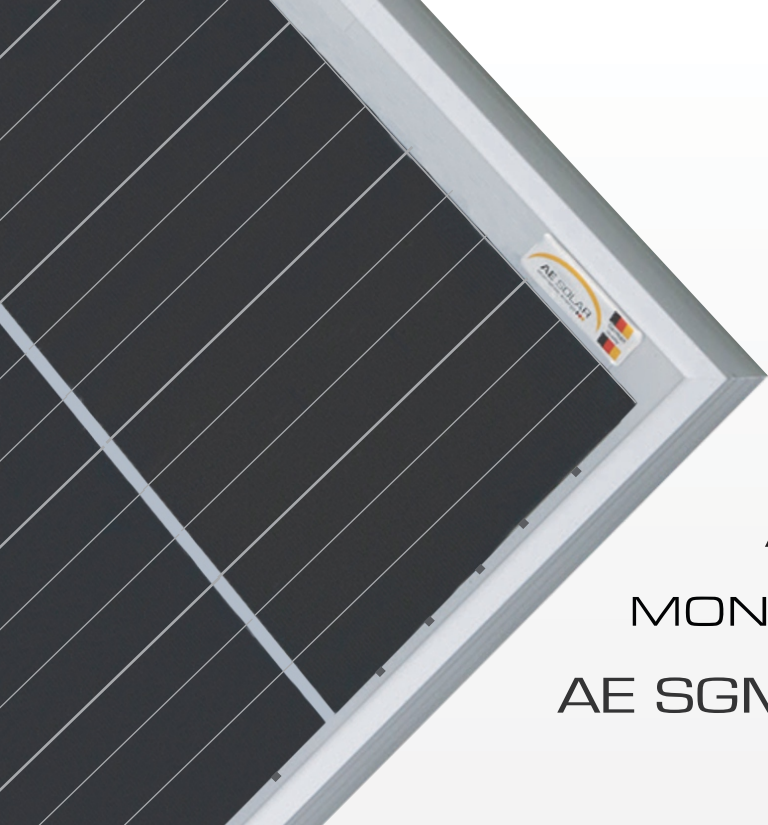
Inspiring green-energy since 2003

PERC TECHNOLOGY

AE SHINGLED PV MODULES

MONOCRYSTALLINE PV MODULES

AE SGM6-72 Series 390W-415W



 72 CELLS	 PID RESISTANT	 SALT CORROSION RESISTANT	 SAND RESISTANT	 $\frac{NH_3}{S}$ 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

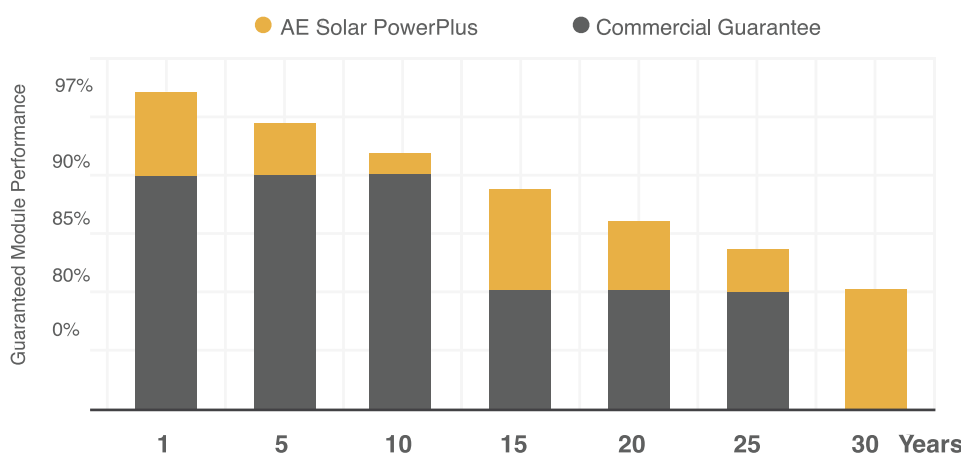
SYSTEM COST REDUCED
 10% of Reduction in BOS and Installation cost

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

		SGM6-390	SGM6-395	SGM6-400	SGM6-405	SGM6-410	SGM6-415	
Nominal Max. Power	P _{max} (Wp)	390	395	400	405	410	415	
Maximum power voltage	V _{mp} (V)	37.1	37.2	37.3	37.4	37.5	37.6	
Maximum power current	I _{mp} (A)	10.51	10.62	10.72	10.83	10.93	11.04	
Open-circuit voltage	V _{oc} (V)	45.1	45.2	45.2	45.3	45.3	45.4	
Short-circuit current	I _{sc} (A)	11.27	11.31	11.35	11.39	11.43	11.47	
Module efficiency	(%)	18.8	19.0	19.3	19.5	19.7	20.0	
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.

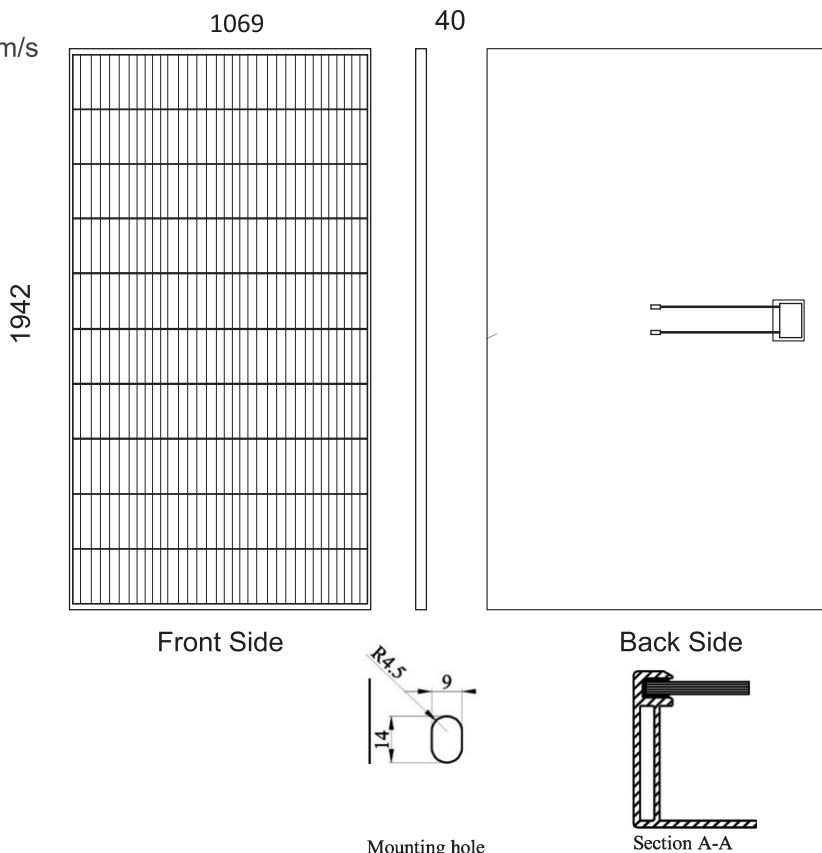
MATERIAL CHARACTERISTICS

Cell type	Perc Mono-crystalline silicon solar cells
Dimensions	1942 x 1069 x 40 mm
Weight	24.0 kg
Junction box	15A; TUV&UL;
Output cable	1200mm/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	52 pcs / double pallet
Loading Capacity	624 pcs / 40HQ
Size / pallet (mm)	1980 x 1120 x 2380
Weight	1364 kg / double pallet

DIMENSIONS



CERTIFICATES



AES-DSH2019 V.002
All rights reserved. Specifications included in this data sheet are subject to change without notice.

AE Solar GmbH

Messerschmittring
86343 Königsbrunn
Germany

Tel.: +49 8231 92 92 52 2
Fax: +49 8231 97 82 68 9
Email: sales@ae-solar.com
Web: www.ae-solar.com