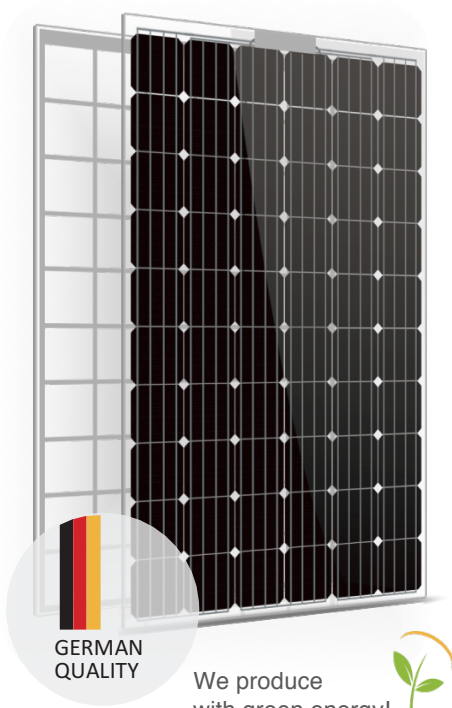


# AE DOUBLE-GLASS MODULE

## AE DGM6-60 Series 270W-285W



We produce with green energy!



### LIGHTEST DOUBLE-GLASS MODULE WORLDWIDE

Ultra-thin thermally strengthened with 2mm glass



### HARSH WEATHER RESISTANCE

Absolute water-proof, anti-corrosion by acid, alkaline and ammonia, anti-friction, better thermal dissipation and 30+ years hassle free performance



### PID FREE

Potential induced degradation (PID) Free Guaranteed



### MICRO-CRACK FREE

No micro-cracks during rough transportation, complicated handling at installation and during lifetime module operation



### FIRE CLASS A

Glass-Glass design protects the module from the damages caused by arc and hot spots, eliminating potential dangers of fire



### SELF-CLEANING EFFECT

Frameless design, no dirt at the edges of frame



### GERMAN QUALITY

AE Solar photovoltaic modules are manufactured using high-quality materials, automated machine, German Technology and Standards



### PLUS-SORTING

Higher yield due to plus-sorting of 0 to +5W guarantees the high system efficiency and yield stability



### PERFORMANCE GUARANTEE

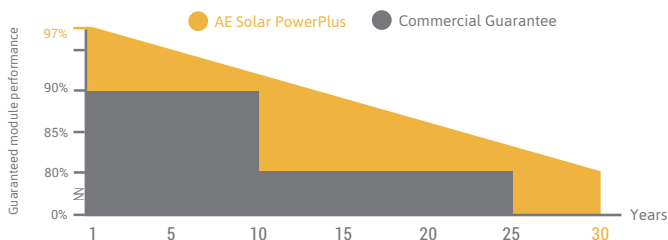
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty



### CERTIFICATES

Lining with International Standards, AE Solar Photovoltaic modules are tested and certified under extreme stress and it can bear harsh environmental influences

### OUR PERFORMANCE GUARANTEE



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### TECHNICAL DATA

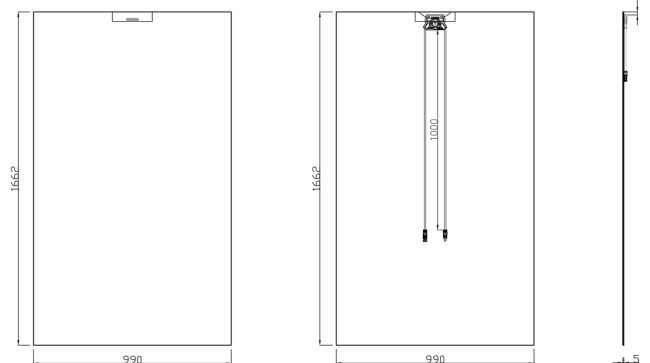
		AE270DGM6-60	AE275DGM6-60	AE280DGM6-60	AE285DGM6-60
Maximum power	Pmax(Wp)	270	275	280	285
Maximum power voltage	Vmp(V)	31.15	31.58	31.79	32.06
Maximum power current	Imp(A)	8.67	8.71	8.81	8.89
Open-circuit voltage	Voc(V)	38.43	38.67	39.15	39.47
Short-circuit current	Isc (A)	9.02	9.18	9.28	9.37
Module efficiency	%	16.4	16.7	17.0	17.3
Power tolerance	Pmax(W)		- 0 / + 5		
Maximum system voltage DC	V		1000		
Operating temperature	°C		-40 to +85		
Temperature coefficients of Pmax	%/°C		-0.40		
Temperature coefficients of Voc	%/°C		-0.30		
Temperature coefficients of Isc	%/°C		0.032		
Nominal 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.

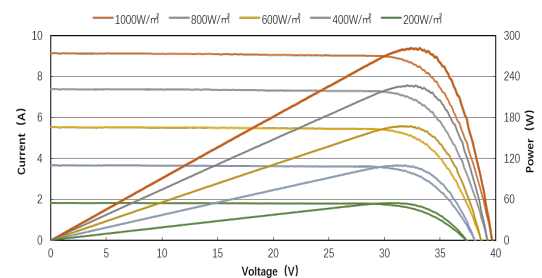
### MATERIAL CHARACTERISTICS

Cell Type	Mono-crystalline
Cell Dimension	156.75mm × 156.75mm
Module Dimension	1662mm × 990mm × 5mm (J-box not included)
Weight	19.6kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm tempered glass / 2mm ceramic coated glass
Junction Box	IP67 (three bypass diodes)
Cable	4.0mm <sup>2</sup>
Connector	LCS-R1 (MC4 equivalent)
Wind load	2400Pa / 244kg / m <sup>2</sup>
Mechanical load	5400Pa / 550kg / m <sup>2</sup>

### DRAWINGS & PERFORMANCE



I-V & P-V curve AE DGM6-60



Excellent performance at 200W/m<sup>2</sup>(AM 1.5, 25 °C): the conversion efficiency could be 96.6% of STC

### PACKAGING INFORMATION

Packing configuration	38pcs / pallet
Loading capacity	988pcs / 40HQ

