

AE DOUBLE-GLASS MODULE

AE DGP6-60 Series 260W-275W



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

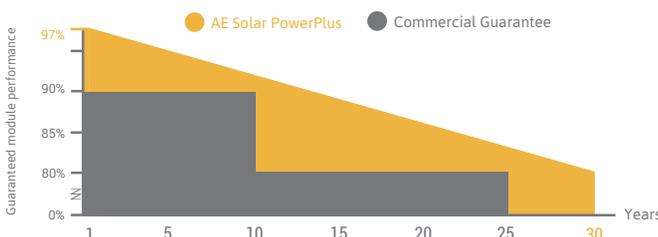
AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty



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



TECHNICAL DATA

		AE260DGP6-60	AE265DGP6-60	AE270DGP6-60	AE275DGP6-60
Maximum power	Pmax(Wp)	260	265	270	275
Maximum power voltage	Vmp(V)	31.08	31.24	31.51	31.94
Maximum power current	Imp(A)	8.37	8.50	8.57	8.62
Open-circuit voltage	Voc(V)	37.92	38.09	38.51	38.72
Short-circuit current	Isc (A)	8.85	8.95	9.04	9.16
Module efficiency	%	15.8	16.1	16.4	16.7
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	0.041			
Nominal 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.

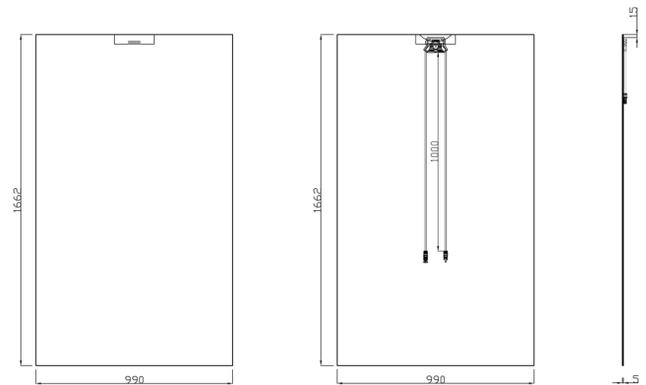
MATERIAL CHARACTERISTICS

Cell Type	Poly-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 ²
Connector	LCS-R1 (MC4 equivalent)
Wind load	2400Pa / 244kg / m ²
Mechanical load	5400Pa / 550kg / m ²

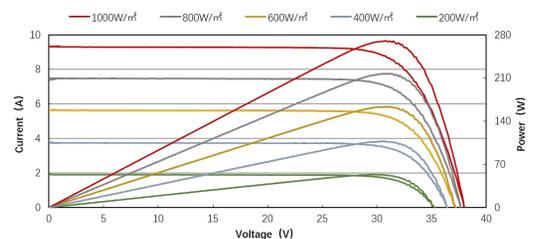
PACKAGING INFORMATION

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

DRAWINGS & PERFORMANCE



I-V & P-V curve AE DGP6-60



Excellent performance at 200W/m²(AM 1.5, 25 °C): the conversion efficiency could be 96.2% of STC.