

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

AE Solar

AE DGP6-60_260-275W

AE265DGP6-60

Also available on the web at
EnergyPal.com/ae-solar-solar-panels/ae265dgp6-60

AE DOUBLE-GLASS MODULE

AE DGP6-60 Series 260W-275W



We produce with green energy!



GERMAN QUALITY

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



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



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



PLUS-SORTING

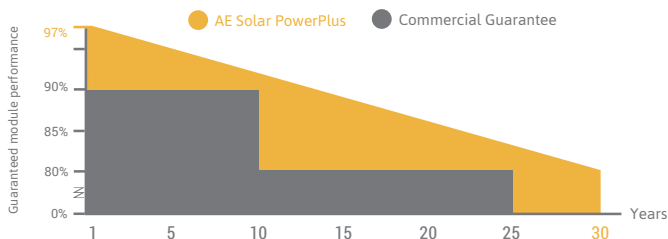
Higher yield due to plus-sorting of 0 to +5W guarantees the high system efficiency and yield stability



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



AE SOLAR

Messerschmittring 54
86343 Königsbrunn
Germany

Tel.: +49 8231 97 82 68 0
Fax.: +49 8231 97 82 68 9

E-Mail: info@ae-solar.com
Web: www.ae-solar.com

TECHNICAL DATA

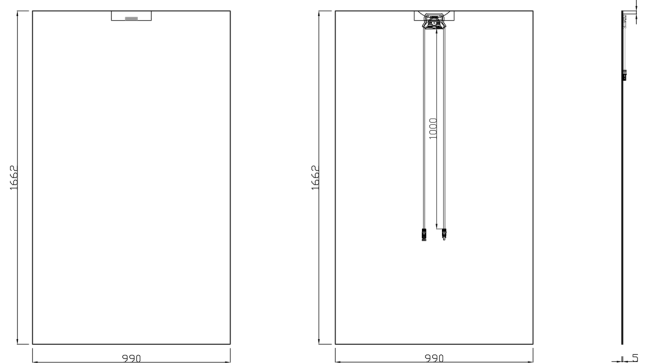
		AE260DGP6-60	AE265DGP6-60	AE270DGP6-60	AE275DGP6-60
Maximum power	P _{max} (Wp)	260	265	270	275
Maximum power voltage	V _{mp} (V)	31.08	31.24	31.51	31.94
Maximum power current	I _{mp} (A)	8.37	8.50	8.57	8.62
Open-circuit voltage	V _{oc} (V)	37.92	38.09	38.51	38.72
Short-circuit current	I _{sc} (A)	8.85	8.95	9.04	9.16
Module efficiency	%	15.8	16.1	16.4	16.7
Power tolerance	P _{max} (W)			- 0 / + 5	
Maximum system voltage DC	V			1000	
Operating temperature	°C			-40 to +85	
Temperature coefficients of P _{max}	%/°C			-0.40	
Temperature coefficients of V _{oc}	%/°C			-0.30	
Temperature coefficients of I _{sc}	%/°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.

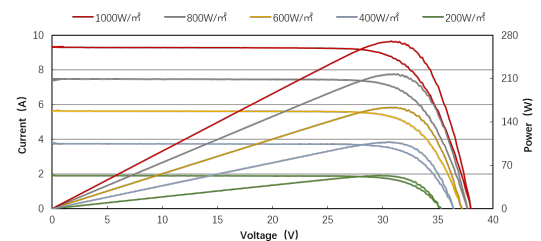
MATERIAL CHARACTERISTICS

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

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

PACKAGING INFORMATION

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

