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
Solar Panel Guide Specification Data Sheet

**Rocsolar New Energy Co., Ltd.
BIPV DGM-270-285
DGM-280**

Also available on the web at
EnergyPal.com/rocsolar-new-energy-co-ltd-solar-panels/dgm-280

Products Characteristics



-  Widely using of the most popular for on-grid system. Framless design and less dust or snow pilling up. Suitable for different demanding.
-  Leading manufacturing technology in PV industry, strictly control the quality of raw materials and the process of producing. High PID resistant.
-  100% EL inspection, ensures modules are defects free.
-  Cells binned by current to improve module performance.
-  Anti-reflection glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.
-  Outstanding performance in low-light irradiance environments.
-  Excellent mechanical load resistance: Certified to withstand high wind load(2400pa) and snow loads (5400pa).
-  High performance of salt and ammonia resistance.
-  Positive power tolerance: 0~+5%. 1500V system voltage design which make the BOS cost to be very low.

Warranty

- 10 years products warranty.
- 10 years 90%, 25 years 80% output power warranty.

PRODUCTS CERTIFICATION

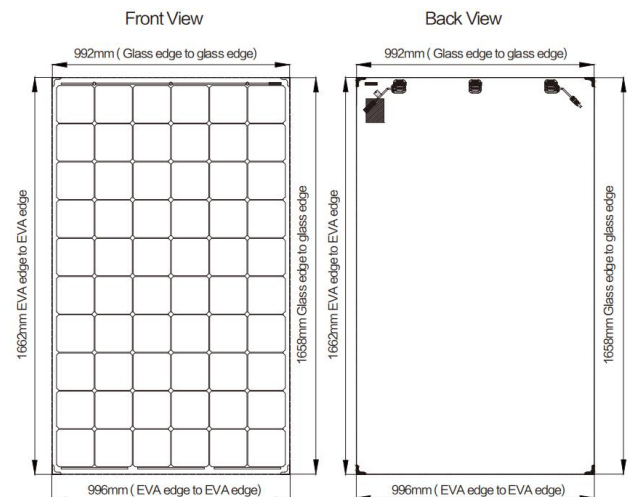
- ISO9001:2008: ISO Quality management systems
- IEC61215、IEC61730
- CQC Certificate
- CE Certificate
- SGS-TUV Certificate

Raw materials and mechanical para.



DGM-270 275 280 285

Solar cell dimension (mm)	Mono crystalline 156.75X156.75
Solar cell quantity (pcs)	6X10=60
Module dimension (mm)	1658X992X6 (1662X996X6 with edge banding)
Module weight (kg)	23.0
Front Glass (mm)	2.5mm low iron semi tempered coated glass
Interlayer	EVA/POE/PVB
Back Glass	2.5mm floating semi tempered glass
Junction box	IP67 rated, 3 by-pass diodes
Connector	Multi contact MC4 (or equivalent)
Frame	No frame
Package	36/pallet; 26pallets/40ft container



Performance parameters

DGP-260 265 270 275	
Maximum system voltage	1000V DC (IEC) or 1500DC (IEC)
Operating temperature	-45°C-+80°C
Maximum series fuse	15A
额定电池工作温度 (°C)	45±3
Maximum static load, front side (e.x. snow, wind)	5400PA
Maximum static load, back side (e.x. wind)	2400PA
Application grade	Class A

Electrical parameters (Standard test condition)

DGP-260 265 270 275				
Rated max. Power(Wp)	270W	275W	280W	285W
Power tolerance	0-+5%			
Cell efficiency	16.4%	16.7%	17.0%	17.3%
Open circuit voltage	38.8V	38.98V	39.15V	39.25V
Max. power voltage (Vmp)	31.98V	32.2V	32.35V	32.05V
Short circuit current (Isc)	8.92A	9.00A	9.05A	9.09A
Max. power current(Imp)	8.48A	8.54A	8.65A	8.77A
Temperature coefficient of Isc	0.04%			
Temperature coefficient of Voc	-0.33%			
Temperature coefficient of Pmp	-0.42%			
Standard test condition	Irradiance: 1000W/M2,、 Cell temperature 25°C、 Spectrum AM: AM1.5			

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.