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## **Solar Panel Guide Specification Data Sheet**

**Rocsolar New Energy Co., Ltd.  
BIPV DGP-310-325  
DGP-320**

Also available on the web at  
[EnergyPal.com/rocsolar-new-energy-co-ltd-solar-panels/dgp-320](http://EnergyPal.com/rocsolar-new-energy-co-ltd-solar-panels/dgp-320)



### 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

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

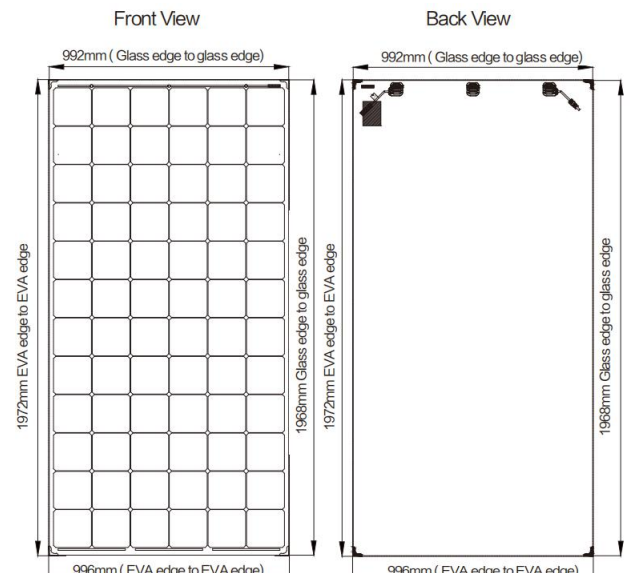
### PRODUCTS CERTIFICATION

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

### Raw materials and mechanical para.



<b>DGP-310 315 320 325</b>	
Solar cell dimension (mm)	Poly crystalline 156.75X156.75
Solar cell quantity (pcs)	7X12=72
Module dimension (mm)	1968X992X6 (1972X992X6withedge banding)
Module weight (kg)	27.0
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; 660pcs/40ft container



## Performance parameters

<b>DGP-310 315 320 325</b>	
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)

<b>DGP-310 315 320 325</b>				
	310W	315W	320W	325W
Rated max. Power(Wp)	310W	315W	320W	325W
Power tolerance	0-+5%			
Cell efficiency	15.8%	16.1%	16.4%	16.6%
Open circuit voltage	44.50V	45.10V	45.50V	45.900
Max. power voltage (Vmp)	36.90V	37.10V	37.35V	37.50V
Short circuit current (Isc)	8.87A	8.92A	9.01A	9.07A
Max. power current(Imp)	8.40A	8.49A	8.57A	8.67A
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.