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# **EnergyPal**

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

**Zhejiang Powerwell Solar Energy Co., Ltd.**

**BW-SM300-320P72**

**BW-SM310P**

Also available on the web at

[EnergyPal.com/zhejiang-powerwell-solar-energy-co-ltd-solar-panels/bw-sm310p](http://EnergyPal.com/zhejiang-powerwell-solar-energy-co-ltd-solar-panels/bw-sm310p)



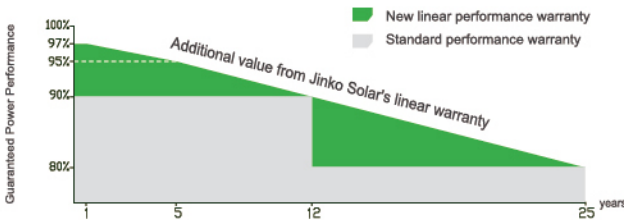
# BW-SM300-320P72

## Polycrystalline Solar Module

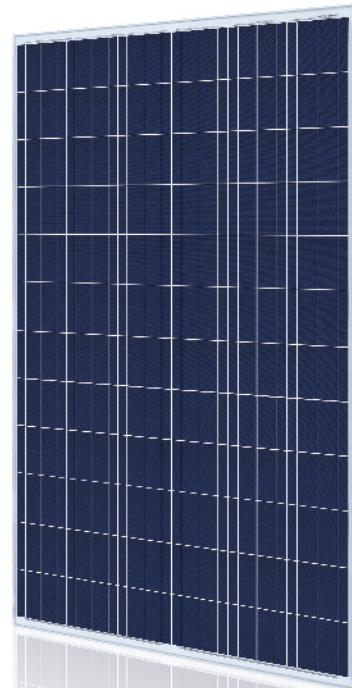
### KEY FEATURES

- Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)
- Perfect module self-cleaning capability, reduce power loss caused by dust (soiling effect)
- More elegant cell and module appearance
- Excellent performance in low-light irradiance environment
- High salt mist and ammonia resistance

### Premium Performance Warranty



\* Based on customer requirements and contract terms



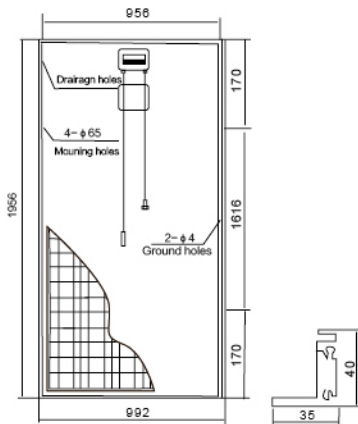
ISO 9001:2008  
ISO 14001:2004  
OHSAS 18001:2007



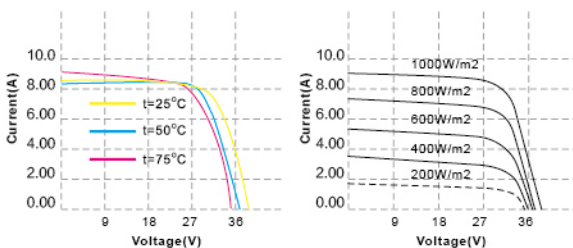
IEC 61215:2005  
EN 61730-1:2007  
EN 61730-2:2007



### Dimensions



### I-V Curves



Cell	Polycrystalline 156mmx156mm
No. of cells	72 in series (6x12)
Weight	21.2kg
Dimensions	1956x992x40 (mm)
Produced in accordance with	TUV/IEC 61215/EN 61730

### Electrical Data

(STC: Irradiance 1000w/m<sup>2</sup>, module temperature 25OC, AM=1.5)

Power	300Wp	305Wp	310Wp	315Wp	320Wp
Open circuit voltage	43.2V	43.2V	43.2V	43.2V	43.2V
Maximum power voltage	36V	36V	36V	36V	36V
Short circuit current	9.16A	9.32A	9.47A	9.62A	9.77A
Maximum power current	8.33A	8.47A	8.61A	8.75A	8.88A
Module Conversion Efficiency	15.46%	15.71%	15.98%	16.23%	16.49%
Maximum system voltage	1000V				
Operating temperature	-40OC to +90OC				
NOCT	45OC ± 2OC				
Temperature coefficient of Isc	+0.05%/OC				
Temperature coefficient of Voc	-0.34%/OC				
Temperature coefficient of Pm	-0.5%/OC				

Specifications included in this datasheet are subject to change without prior notice.