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Solar Panel Guide Specification Data Sheet

Zhejiang Powerwell Solar Energy Co., Ltd.

BW-SM270-280M96

BW-SM280M

Also available on the web at

EnergyPal.com/zhejiang-powerwell-solar-energy-co-ltd-solar-panels/bw-sm280m



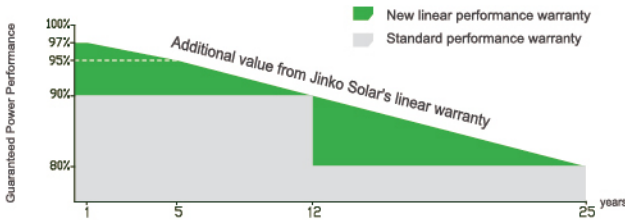
BW-SM270-280M96

Monocrystalline Solar Module

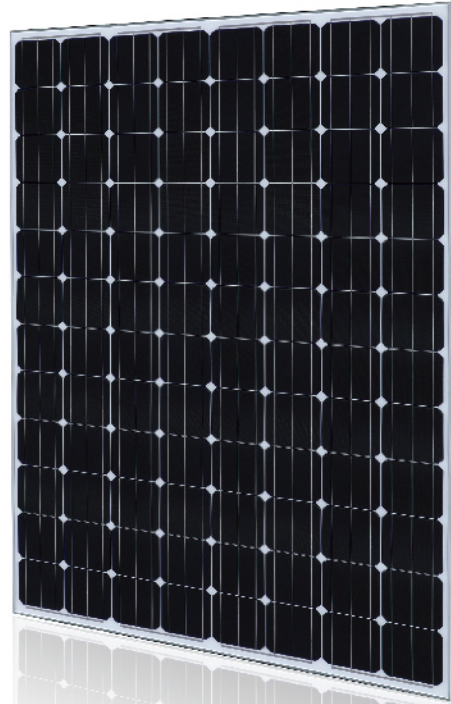
KEY FEATURES

- 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

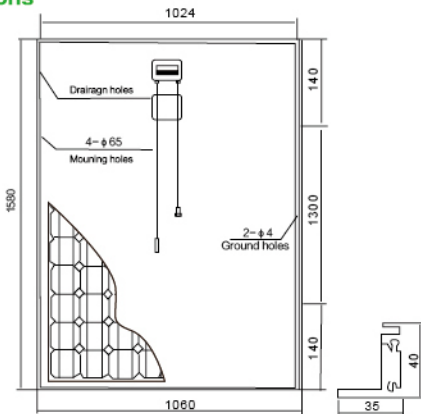
Premium Performance Warranty



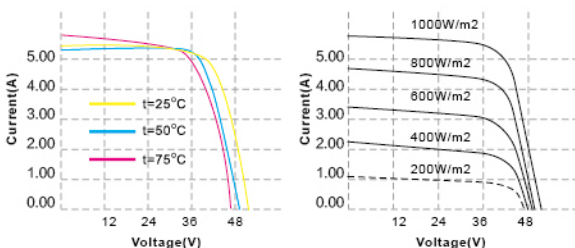
* Based on customer requirements and contract terms



Dimensions



I-V Curves



General Data

Cell	Monocrystalline 125mmx125mm		
No. of cells	96 in series (8x12)		
Weight	19.5kg		
Dimensions	1580x1060x40(mm)		
Produced in accordance with	TUV/IEC 61215/EN 61730		

Electrical Data

(STC: Irradiance 1000w/m², module temperature 25OC, AM=1.5)

Power	270Wp	275Wp	280Wp
Open circuit voltage	57.6V	57.6V	57.6V
Maximum power voltage	48V	48V	48V
Short circuit current	6.18A	6.3A	6.41A
Maximum power current	5.62A	5.72A	5.83A
Module Conversion Efficiency	16.12%	16.42%	16.71%
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.