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Solar Panel Guide Specification Data Sheet

Zhejiang Powerwell Solar Energy Co., Ltd.

BW-SM100-105P24

BW-SM100P

Also available on the web at

EnergyPal.com/zhejiang-powerwell-solar-energy-co-ltd-solar-panels/bw-sm100p



BW-SM100-105P24

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



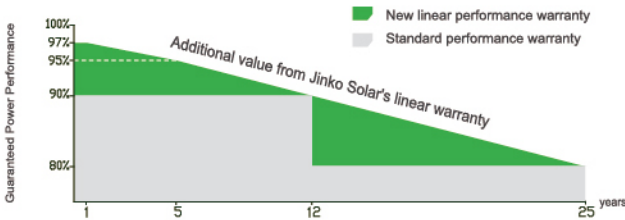
Excellent performance in low-light irradiance environment



High salt mist and ammonia resistance



Premium Performance Warranty



* Based on customer requirements and contract terms



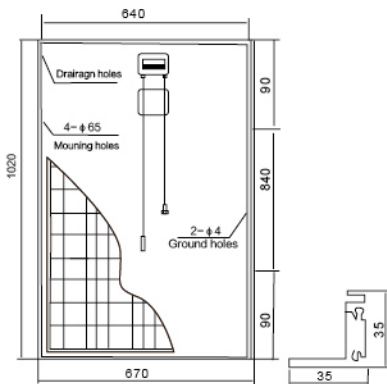
ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007



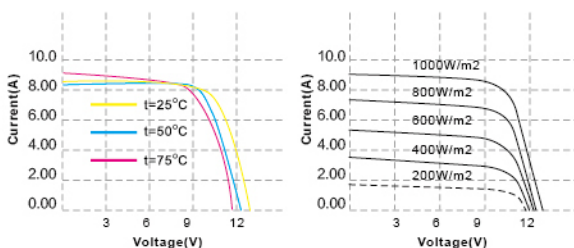
IEC 61215:2005
EN 61730-1:2007
EN 61730-2:2007



Dimensions



I-V Curves



General Data

Cell	Polycrystalline 156mmx156mm
No. of cells	24 in series (4x6)
Weight	9.0kg
Dimensions	1020x670x35 (mm)
Produced in accordance with	TUV/IEC 61215/EN 61730

Electrical Data

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

Power	100Wp	105Wp
Open circuit voltage	14.4V	14.4V
Maximum power voltage	12V	12V
Short circuit current	9.16A	9.62A
Maximum power current	8.33A	8.75A
Module Conversion Efficiency	14.72%	15.45%
Maximum system voltage	1000V	
Operating temperature	-40°C to +90°C	
NOCT	45°C ± 2°C	
Temperature coefficient of I _{sc}	+0.05%/°C	
Temperature coefficient of V _{oc}	-0.34%/°C	
Temperature coefficient of P _m	-0.5%/°C	

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