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Solar Panel Guide Specification Data Sheet

Zhejiang Powerwell Solar Energy Co., Ltd.

BW-SM230-245M54

BW-SM240M

Also available on the web at

EnergyPal.com/zhejiang-powerwell-solar-energy-co-ltd-solar-panels/bw-sm240m



BW-SM230-245M54

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)



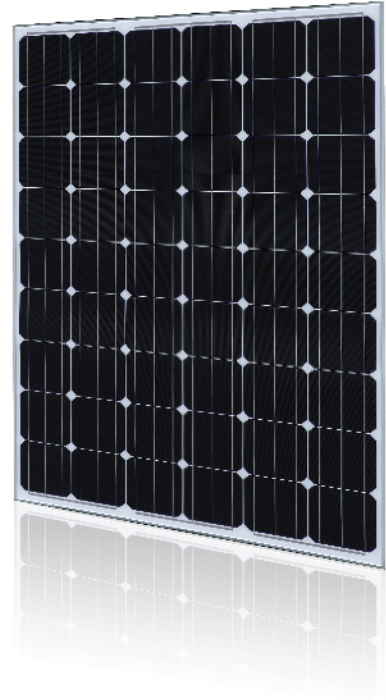
More elegant cell and module appearance



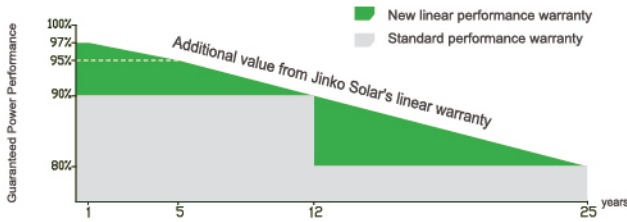
Excellent performance in low-light irradiance environment



High salt mist and ammonia resistance



Premium Performance Warranty



* Based on customer requirements and contract terms



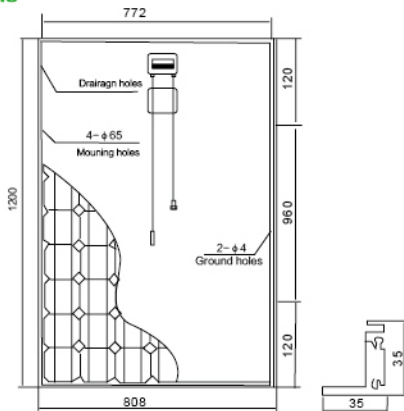
ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007



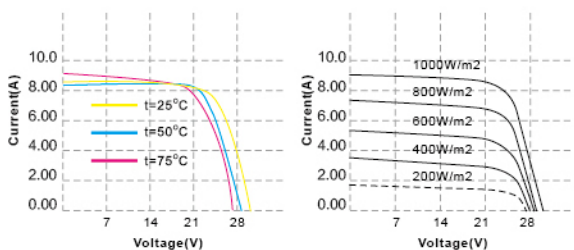
IEC 61215:2005
EN 61730-1:2007
EN 61730-2:2007



Dimensions



I-V Curves



General Data

| | |
|-----------------------------|-----------------------------|
| Cell | Monocrystalline 156mmx156mm |
| No. of cells | 54 in series (6x9) |
| Weight | 15.8kg |
| Dimensions | 1480X992x40(mm) |
| Produced in accordance with | TUV/IEC 61215/EN 61730 |

Electrical Data

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

| | 230Wp | 235Wp | 240Wp | 245Wp |
|--------------------------------|----------------|--------|--------|--------|
| Power | 230Wp | 235Wp | 240Wp | 245Wp |
| Open circuit voltage | 32.4V | 32.4V | 32.4V | 32.4V |
| Maximum power voltage | 27V | 27V | 27V | 27V |
| Short circuit current | 9.37A | 9.57A | 9.77A | 9.98A |
| Maximum power current | 8.51A | 8.70A | 8.88A | 9.07A |
| Module Conversion Efficiency | 15.66% | 16.00% | 16.34% | 16.69% |
| 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.