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Solar Panel Guide Specification Data Sheet

Znshine PV-tech Co., Ltd.

ZXM6-D60-280-315/M

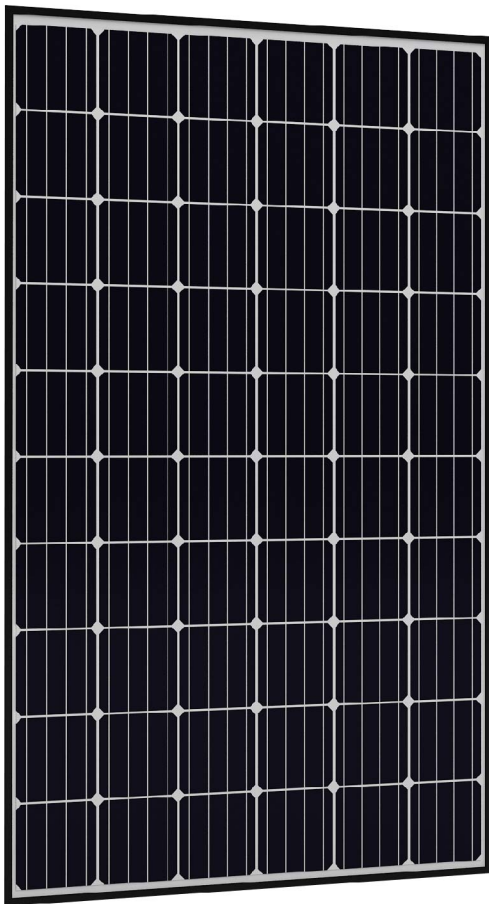
ZXM6-D60-315/M

Also available on the web at
EnergyPal.com/znshine-pv-tech-co-ltd-solar-panels/zxm6-d60-315-m



ZNSHINESOLAR

ZXM6 | D60 Cells Double-Glazed PV module



Made with selected materials and components to grant quality, duration, efficiency and through outputs, the D60-cell Double-Glazed modules by ZNSHINE SOLAR(power output 265 up to 275W) feature increased light transmission and have both decorative and shading functions.They represent the perfect choice for BIPV and BAPV construction applications. This allows you to produce clean energy whilst reducing your energy bill.

ZNSHINE SOLAR'S D60-cell Double-Glazed solar modules are tested and approved by international acknowledged laboratories, so that we can offer our customers a reliable and price-quality optimized product.



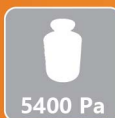
High Efficiency

High module efficiency up to 16.72%



Linear Warranty

30-year-linear warranty on outputs



5400 Pa

Certified to withstand extreme static loads of 5400 Pa



PID free

Free from PID (Potential Induced Degradation)



Extensive green certificates

Extensive green certificates



System Certification

ISO 9001
ISO 14001
OHSAS 18001



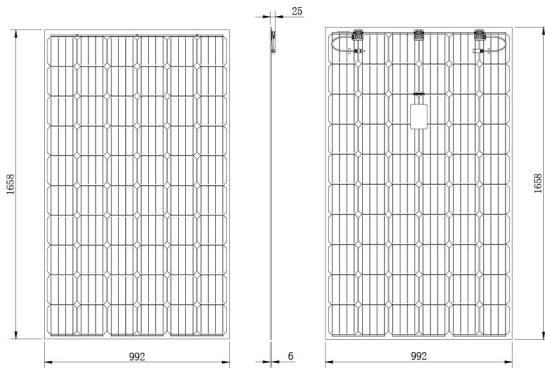
www.znshinesolar.com

Znshine reserves the final right of interpreting the technical change and testing conditions.

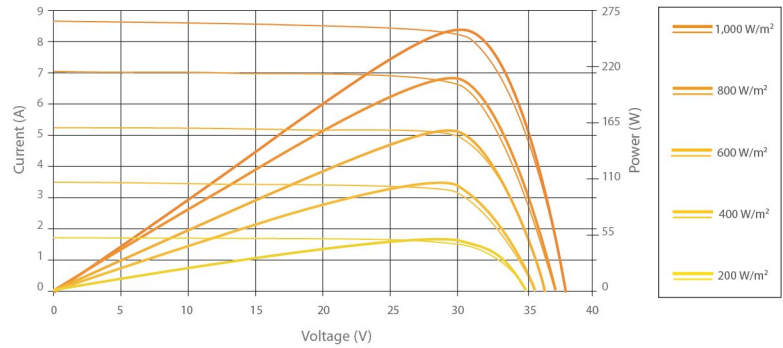
ZXM6 | D60



Dimension of the PV module



I-V Curves of the PV module



Electrical data

Model	ZXM6 D60-265/M	ZXM6 D60-270/M	ZXM6 D60-275/M
Nominal Power Watt $P_{max}(W_p)$	265	270	275
Power Output Tolerance $P_{max}(\%)$	0~+3	0~+3	0~+3
Maximum Power Voltage $V_{mp}(V)$	30.78	30.86	30.94
Maximum Power Current $I_{mp}(A)$	8.61	8.75	8.89
Open Circuit Voltage $V_{oc}(V)$	38.00	38.05	38.13
Short Circuit Current $I_{sc}(A)$	9.12	9.23	9.35
Module Efficiency $\eta_m(\%)$	16.11	16.42	16.72

Mechanical data

Solar cells	Mono 156×156 mm
Cells orientation	60 (6×10)
Module dimension	1658×992×25 mm(Frameless,JB Included)
Weight	22 kg
Glass	2.0mm/2.5mm heat strengthened glass
Junction box	IP 67 , 3 diodes
Cables	4 mm ² ,450 mm
Connectors	MC4-compatible

Temperature ratings

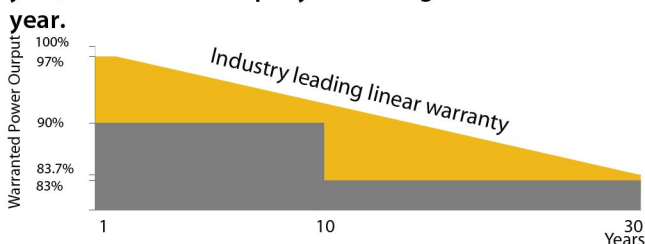
Nominal Operating Cell Temperature	45°C ±2°C
Temperature coefficient of P_{max}	-0.42%/K
Temperature coefficient of V_{oc}	-0.29%/K
Temperature coefficient of I_{sc}	0.04%/K

Working conditions

Maximum system voltage	1000 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	15 A
Maximum load (snow/wind)	5400 Pa / 2400 Pa

Warranty information

30 years output warranty(monocrystalline): 3.0% in the 1st year, thereafter 0.5% per year ending with 83% in the 30th year.



Packaging information

Modules per box	30 pcs.
Modules per 40' HQ container	780 pcs.

Measurement Tolerance STC: ±3% (P_{max}), ±10% (V_{max} , I_{mp} , V_{oc} , I_L). Values at Standard Test Conditions STC(Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C) | Remark: please read safety and installation instructions before using the product | Subject to change without prior notice © ZNSHINE SOLAR 2017 | Version: ZXM6-D60-1703.E