

Guaranteed Power 84.98 Znshine DG Modules Linear Guarantee Znshine Standard Common Standard 15 Please check the valid version of Limited Product Warranty which is officially released by ZNSHINE PV-TECH Co., Ltd.

ZXM8-TPLD132 Series

12BB HALF-CELL Double Glass Monocrystalline **PERC PV Module**

645-670W

21.57%

0.45%

POWER RANGE

MAXIMUM EFFICIENCY

YEARLY DEGRADATION



12 YEARS PRODUCT WARRANTY









IEC 61215/IEC 61730

ISO 14001: Environmental Management System

ISO 9001: Quality Management System

ISO45001: Occupational Health and Safety Management System

*As there are different certification requirements in different markets.please contact your local znshine sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

KEY FEATURES-



Excellent Cells Efficiency

MBB technology reduce the distance between busbars and finger grid line which is benefit to power increase.



Better Weak Illumination Response

More power output in weak light condition, such as haze, cloudy, and early morning.



Anti PID

Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



Adapt To Harsh Outdoor Environment

Resistant to harsh environments such as salt, ammonia. sand, high temperature and high humidity environment.



TIER 1

Global, Tier 1 bankable brand, with independently certified advanced automated manufacturing.



Excellent Quality Managerment System

Warranted reliability and stringent quality assurances well beyond certified requirements.

ELECTRICAL CHARACTERISTICS | STC*

PACKAGING CONFIGURATION

*Customized packaging is available upon request.

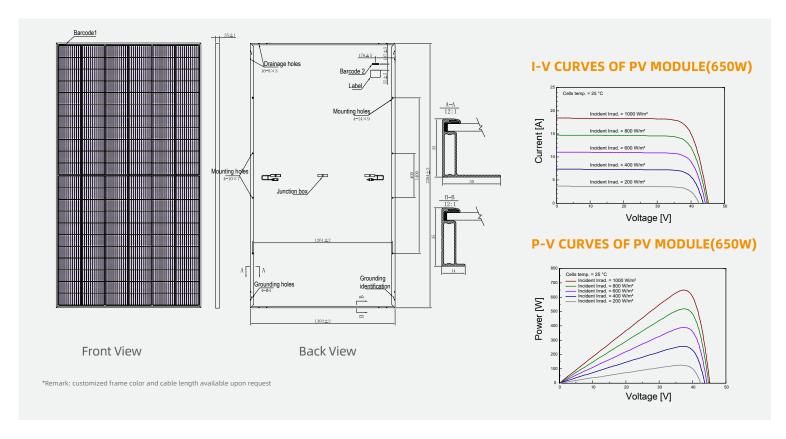
31

558

Piece/Box

Piece/Container(40'HO)





MECHANICAL DATA

Nominal Power Watt Pmax(W)* Solar cells Mono PERC 645 650 655 660 665 670 Maximum Power Voltage Vmp(V) Cells orientation 132 (6×22) 37.60 37.80 38.00 38.20 Maximum Power Current Imp(A) Module dimension 2384×1303×35 mm (With Frame) 17.34 17.38 17.43 17.47 17.50 17.54 Open Circuit Voltage Voc(V) Weight 38.5 ±1.0 kg 45 00 45 20 45 40 45 60 45.80 46 00 Short Circuit Current Isc(A) 2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass 18.37 18.62 18.42 18.47 18.52 18.57 Module Efficiency (%) 20.76 20.92 21.09 21.25 21.41 Junction box IP 68, 3 diodes *The data above is for reference only and the actual data is in accordance with the pratical testing 4 mm² ,350 mm (With Connectors) *STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2°C, AM 1.5 Cables *Measuring uncertainity: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance Connectors* MC4-compatible *Please refer to regional datasheet for specified connector **ELECTRICAL CHARACTERISTICS | NMOT** TEMPERATURE RATINGS **WORKING CONDITIONS** Maximum Power Pmax(Wp) имот 43°C ±2°C 484.80 488.50 492.50 496.30 499.80 503.60 Maximum system voltage 1500 V DC Maximum Power Voltage Vmpp(V) Temperature coefficient of Pmax -0.34%/°C Operating temperature 34.80 35.00 35.20 35.30 35.50 35.70 -40°C~+85°C Maximum Power Current Impp(A) Temperature coefficient of Voc -0.29%/°C Maximum series fuse 13.96 14.00 14.04 14.08 30 A Open Circuit Voltage Voc(V) 42.30 42.50 42.60 42.80 43.00 43.20 Temperature coefficient of Isc 0.05%/°C Front Side Maximum Static Loading Up to 5400 Pa Rear Side Maximum Static Loading Up to 2400 Pa Short Circuit Current Isc(A) 14.83 14.87 14.91 14.95 14.99 15.03 Remark: Do not connect Fuse in Combiner Box with two or more strings in parallel connection *NMOT:Irradiance 800W/m²,Ambient Temperature 20°C,AM 1.5,Wind Speed 1m/s *Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.

They only serve for comparison among different module types.

and please carefully read the safety and installation instructions before using our PV modules.

 * Caution:Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills

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