

ZXM7-UH108 Series

16BB HALF-CELL Black N-Type TOPCon Monocrystalline PV Module

405-425W

21.76%

0.50%

POWER RANGE

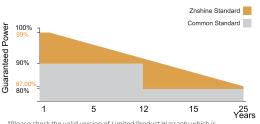
MAXIMUM EFFICIENCY YEARLY DEGRADATION



12 YEARS PRODUCT WARRANTY



25 YEARS OUTPUT GUARANTEE











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

SMBB 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.



Improved Aesthetics

Compared to conventional modules, this full black modules have a more uniform appearance and superior aesthetics.

Back View

Front View

Piece/Box

Piece/Container(40'HO)

*Customized packaging is available upon request

*Remark: customized frame color and cable length available upon request

36

936



Voltage [V]

Barcode 1 Working Note: Working No

ELECTRICAL CHARACTERISTICS | STC* MECHANICAL DATA Nominal Power Watt Pmax(W)* Solar cells N-type Monocrystalline 405 410 415 420 425 Cells orientation 108 (6×18) Maximum Power Voltage Vmp(V) 31.30 31.70 Maximum Power Current Imp(A) Module dimension 1722×1134×30 mm (With Frame) 13 11 13.19 13.26 13.34 13.41 Open Circuit Voltage Voc(V) Weight 20.5±1.0 kg 37 50 37 70 37 90 38 10 38 30 Short Circuit Current Isc(A) 3.2mm, High Transmission, AR Coated Tempered Glass 13.83 13.91 13.98 14.05 14.12 Module Efficiency (%) 20.74 21.00 21.25 21.51 21.76 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 ,350mm (With Connectors) Cables *STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2°C, AM 1.5 *Measuring uncertainity: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance. MC4-compatible Connectors* *Please refer to regional datasheet for specified connecto **ELECTRICAL CHARACTERISTICS | NMOT** TEMPERATURE RATINGS **WORKING CONDITIONS** 305.80 309.70 313.10 317.20 320.90 Maximum Power Pmax(Wp) имот Maximum system voltage 44°C ±2°C 1500 V DC 29 20 29 30 29 50 29.70 29.90 Maximum Power Voltage Vmpp(V) Temperature coefficient of Pmax (-0.30±0.03)%/℃ Operating temperature -40°C~+85°C 10 49 10.55 10.61 10 67 10 73 Maximum Power Current Impp(A) Temperature coefficient of Voc -0.25%/℃ Maximum series fuse 25 A 35.40 35.60 35.80 36.00 36.10 Open Circuit Voltage Voc(V) Temperature coefficient of Isc 0.046%/90 Front Side Maximum Static Loading Up to 5400 Pa Rear Side Maximum Static Loading Unito 2400 Pa 11.16 11.34 11.39 Short Circuit Current Isc(A) *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. *Caution:Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills **PACKAGING CONFIGURATION** and please carefully read the safety and installation instructions before using our PV modules