



ZXM7-UH120 Series

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

460-485W

22.47%

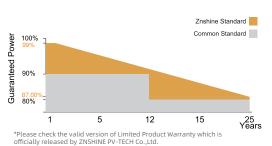
0.50%

POWER RANGE

MAXIMUM EFFICIENCY













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

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.



Voltage [V]

DIMENSIONS OF PV MODULE(mm) I-V CURVES OF PV MODULE(480W) Barcode 1 Current [A] 1903±2 Voltage [V] P-V CURVES OF PV MODULE(480W) Power [W] Front View **Back View**

ELECTRICAL CHARACTERISTICS | STC*

MECHANICAL DATA

Nominal Power Watt Pmax(W)*	460	465	470	475	480	485	Solar cells	N-type Monocrystalline
Maximum Power Voltage Vmp(V)	34.70	34.90	35.10	35.30	35.50	35.70	Cells orientation	120 (6×20)
Maximum Power Current Imp(A)	13.26	13.33	13.40	13.46	13.53	13.59	Module dimension	1903×1134×30 mm (With Frame)
Open Circuit Voltage Voc(V)	41.90	42.10	42.30	42.50	42.70	42.90	Weight	23±1 kg
Short Circuit Current Isc(A)	14.01	14.07	14.13	14.19	14.25	14.31	Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Module Efficiency (%)	21.32	21.55	21.78	22.01	22.24	22.47	Junction box	IP 68, 3 diodes
*The data above is for reference only and the actual data is in accordance with the pratical testing					_		Cables	4 mm ² ,350mm (With Connectors)

Connectors*

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

*Please refer to regional datasheet for specified connector	

ELECTRICA	L CHAR <i>F</i>	ACTERISTICS	I NMOT

Maximum Power Pmax(Wp)	347.70	351.10	355.00	358.60	362.50	366.10
Maximum Power Voltage Vmpp(V)	32.70	32.90	33.10	33.30	33.50	33.70
Maximum Power Current Impp(A)	10.65	10.68	10.73	10.78	10.83	10.88
Open Circuit Voltage Voc(V)	39.50	39.70	39.90	40.10	40.30	40.50
Short Circuit Current Isc(A)	11.31	11.35	11.40	11.45	11.50	11.55

^{*}NMOT:Irradiance 800W/m²,Ambient Temperature 20°C,AM 1.5,Wind Speed 1m/s

PACKAGING CONFIGURATION*

Piece/Box	36
Piece/Container(40'HQ)	864

*Customized packaging is available upon request.

TEMPERATURE RATINGS WORKING CONDITIONS

MC4-compatible

TEI-II EIGATORE RATINGS	•••			
NMOT	44°C ±2°C	Maximum system voltage	1500 V DC	
Temperature coefficient of Pmax	(-0.30±0.03)%/°C	Operating temperature	-40°C~+85°C	
Temperature coefficient of Voc	-0.25%/℃	Maximum series fuse	25 A	
Temperature coefficient of Isc	0.046%/℃	Front Side Maximum Static Loading	Up to 5400 Pa	
		Rear Side Maximum Static Loading	Up to 2400 Pa	

🖗 Add : 1#, Zhixi Industrial Zone , JintanJiangsu 213251 , P.R. China 🛮 📞 Tel: +86 519 6822 0233 🛮 🖂 E-mail: info@znshinesolar.com

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