



ZXMR-UHLD132 Series

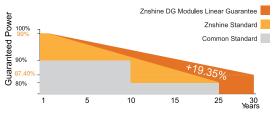
16BB HALF-CELL N-Type TOPCon Double Glass Monocrystalline PV Module

550-575W22.3%POWER RANGEMAXIMUM EFFICIENCY

0.40% YEARLY DEGRADATION

12 12 YEARS PRODUCT WARRANTY

30 YEARS OUTPUT GUARANTEE



*Please check the valid version of Limited Product Warranty which is officially released by ZNSHINE PV-TECH Co.,Ltd.

KEY FEATURES



Excellent Cells Efficiency

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



Anti PID

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



TIER 1

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



Better Weak Illumination Response

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



Adapt To Harsh Outdoor Environment

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



Excellent Quality Managerment System

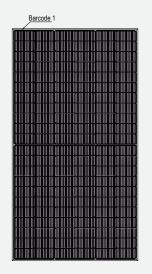
Warranted reliability and stringent quality assurances well beyond certified requirements.

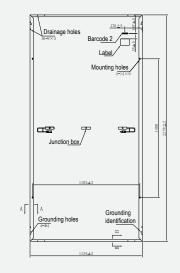
Founded in 1988, ZNShine solar is a world's leading high-tech PV module manufacturer. With the advanced production lines, the company boasts module capacity of 12 GW. Bloomberg has listed ZNShine as a global Tier 1 PV module maker. Today Znshine has distributed its sales to more than 60 countries around the globe.

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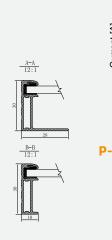


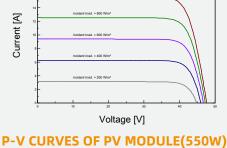
DIMENSIONS OF PV MODULE(mm)





Back View





I-V CURVES OF PV MODULE(550W)

Power [W] Voltage [V]

Front View

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

ELECTRICAL CHARACTERISTICS | STC*

MECHANICAL DATA

Nominal Power Watt Pmax(W)*	550	555	560	565	570	575	Solar cells	N-type Monocrystalline, Rectangular cells
Maximum Power Voltage Vmp(V)	38.10	38.30	38.50	38.70	38.90	39.10	Cells orientation	132 (6×22)
Maximum Power Current Imp(A)	14.44	14.50	14.55	14.60	14.66	14.71	Module dimension	2278×1134×30mm (With Frame)
Open Circuit Voltage Voc(V)	46.00	46.20	46.40	46.60	46.80	47.00	Weight	31.5±1.0 kg
Short Circuit Current Isc(A)	15.34	15.39	15.44	15.49	15.54	15.59	Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Module Efficiency (%)	21.3	21.5	21.7	21.9	22.1	22.3	Junction box	IP 68, 3 diodes
*The data above is for reference only and the actual data is in accordance with the pratical testing *STC (Standard Test Condition): Irradiance 1000W/m ² . Module Temperature 25±2°C. AM 1.5							Cables	4 mm ² ,350mm (With Connectors)

Connectors*

MC4-EVO2 compatible

*Measuring uncertainity: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

720

S NN	ИОТ					*Please refer to regional datasheet for specified connector TEMPERATURE RATINGS		WORKING CONDITIONS			
419.50 423.		426.90	430.50	434.30	437.80	NMOT	44°C ±2°C	Maximum system voltage	1500 V DC		
35.70	35.90	36.10	36.30	36.50	36.70	Temperature coefficient of Pmax	(-0.28±0.028)%/℃	Operating temperature	-40°C~+85℃		
11.74	11.78	11.82	11.86	11.90	11.94	Temperature coefficient of Voc	-0.23%/°C	Maximum series fuse	25 A		
43.60	43.80	44.00	44.20	44.40	44.60	Temperature coefficient of Isc	0.045%/℃	Front Side Maximum Static Loading	Up to 5400 Pa		
12.38	12.42	12.46	12.50	12.54	12.58	*Remark:Do not connect Fuse in Combiner Box with	two or more strings in para	Rear Side Maximum Static Loading allel connection	Up to 2400 Pa		
'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.					
PACKAGING CONFIGURATION *							*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.				
	36										
	419.50 35.70 11.74 43.60 12.38 ature 20°C,A	35.70 35.90 11.74 11.78 43.60 43.80 12.38 12.42 ature 20°C,AM 1.5,Wind	419.50 423.30 426.90 35.70 35.90 36.10 11.74 11.78 11.82 43.60 43.80 44.00 12.38 12.42 12.46 ature 20°C,AM 1.5,Wind Speed 1m/	419.50 423.30 426.90 430.50 35.70 35.90 36.10 36.30 11.74 11.78 11.82 11.86 43.60 43.80 44.00 44.20 12.38 12.42 12.46 12.50 ature 20°C,XM 1.5,Wind Speed 1m/s	419.50 423.30 426.90 430.50 434.30 35.70 35.90 36.10 36.30 36.50 11.74 11.78 11.82 11.86 11.90 43.60 43.80 44.00 44.20 44.40 12.38 12.42 12.46 12.50 12.54 ature 20°C,AM 1.5,Wind Speed 1m/s	419.50 423.30 426.90 430.50 434.30 437.80 35.70 35.90 36.10 36.30 36.50 36.70 11.74 11.78 11.82 11.86 11.90 11.94 43.60 43.80 44.00 44.20 44.40 44.60 12.38 12.42 12.46 12.50 12.54 12.58 attract 20°C,AM 1.5,Wind Speed 1m/s	CS NMOT TEMPERATURE RATINGS 419.50 423.30 426.90 430.50 434.30 437.80 NMOT 35.70 35.90 36.10 36.30 36.50 36.70 Temperature coefficient of Pmax 11.74 11.78 11.82 11.86 11.90 11.94 Temperature coefficient of Voc 43.60 43.80 44.00 44.20 44.40 44.60 Temperature coefficient of Isc 12.38 12.42 12.46 12.50 12.54 12.58 "Remark:Do not connect Fuse in Combiner Box with" *ture 20°C,AM 1.5,Wind Speed 1m/s *ture 20°C,AM 1.5,Wind Speed 1m/s	TEMPERATURE RATINGS W 419.50 423.30 426.90 430.50 434.30 437.80 NMOT 44°C ±2°C 35.70 35.90 36.10 36.30 36.50 36.70 Temperature coefficient of Pmax (-0.28±0.028)%/°C 11.74 11.78 11.82 11.86 11.90 11.94 Temperature coefficient of Voc -0.23%/°C 43.60 43.80 44.00 44.20 44.40 44.60 Temperature coefficient of Isc 0.045%/°C 12.38 12.42 12.46 12.50 12.54 12.58 *Remark:Do not connect Fuse in Combiner Box with two or more strings in para *ture 20°C,AM 1.5,Wind Speed 1m/s **Caution:Please be kindly advised that PV modules should be handled and the and please carefully read the safety and installation instudied by pers.	Status TEMPERATURE RATINGS WORKING CONDITIONS 419.50 423.30 426.90 430.50 434.30 437.80 NMOT 44°C ±2°C Maximum system voltage 35.70 35.90 36.10 36.30 36.50 36.70 Temperature coefficient of Pmax (-0.28±0.028)%/°C Operating temperature 11.74 11.78 11.82 11.86 11.90 11.94 Temperature coefficient of Voc -0.23%/°C Maximum series fuse 43.60 43.80 44.00 44.40 44.60 Temperature coefficient of Isc 0.045%/°C Front Side Maximum Static Loading 12.38 12.42 12.46 12.50 12.54 12.58 "Remark:Do not connect Fuse in Combiner Box with two or more strings in parallel connection Rear Side Maximum Static Loading *Leve 20°C,AM 1.5,Wind Speed 1m/s 12.58 "Caution:Please be kindly advised that PV modules should be handled and installed by qualified people who have professior and please carefully read the safety and installation should be thandled and installed by qualified people who have professior and please carefully read the safety and installation should be thandled and installed by qualified people who have professior and please carefully read the safety and installation should be thandled and installed by qualified people who have professior and please carefully read the safety and		

Piece/Container(40'HQ)

*Customized packaging is available upon request.

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Note: Specifications included in this datasheet are subject to change without notice.ZNSHINE reserves the right of final interpretation © ZNSHINE SOLAR 2024 | Version: ZXMR-UHLD132 2401.E No special undertaking or warranty for the suitability of special purpose or being installed in extraordinary surroundings is granted unless as otherwise specifically committed by manufacturer in contract document