



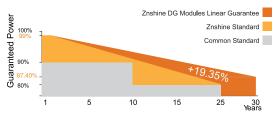
ZXMR-UHLD132 Series

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

560-585W22.6%0.40%POWER RANGEMAXIMUM EFFICIENCYYEARLY 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.



Graphene Coating

Graphene coating modules can increase power generation and self-cleaning, also can save maintainance cost



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.



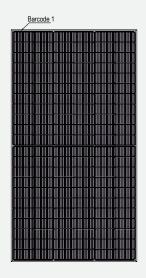
Excellent Quality Managerment System

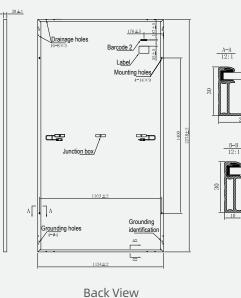
Warranted reliability and stringent quality assurances well beyond certified requirements.

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 10 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.



DIMENSIONS OF PV MODULE(mm)





Front View

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

ELECTRICAL CHARACTERISTICS | STC*

MECHANICAL DATA

Nominal Power Watt Pmax(W)*	560	565	570	575	580	585	Solar cells	N-type Monocrystalline		
Power Output Tolerance Pmax(%)	5) 0-+5W						Cells orientation	132 (6×22)		
Maximum Power Voltage Vmp(V)	38.50	38.70	38.90	39.10	39.30	39.50	Module dimension	2278×1134×30mm (With Frame)		
Maximum Power Current Imp(A)	14.55	14.60	14.66	14.71	14.76	14.82	Weight	31.5±1.0 kg		
Open Circuit Voltage Voc(V)	46.40	46.60	46.80	47.00	47.20	47.40	Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass		
Short Circuit Current Isc(A)	15.39	15.44	15.49	15.54	15.59	15.65	Junction box	IP 68, 3 diodes		
Module Efficiency (%)	21.7	21.9	22.1	22.3	22.5	22.6	Cables	4 mm ² ,1200mm (With Connectors)		
*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							Connectors*	MC4-EVO2 compatible		
*Measuring uncertainity: ±3% ELECTRICAL CHARACTERISTIC	cs Nr	1 0 T					*Please refer to regional da	tasheet for specified connector ATINGS WORKING CONDITIONS		

PACKAGING CONFIGURATIO	N *					* 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.				
*NMOT:Irradiance 800W/m²,Ambient Tempera	M 1.5,Wind S	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.					
Short Circuit Current Isc(A)	12.42	12.46	12.50	12.54	12.58	12.63	*Remark: Do not connect Fuse in Combiner Box with t	wo or more strings in para	Rear Side Maximum Static Loading allel connection	Up to
Open Circuit Voltage Voc(V)	44.00	44.20	44.40	44.60	44.70	44.90	Temperature coefficient of lsc	0.045%/°C	Front Side Maximum Static Loading	Up to
Maximum Power Current Imp(A)	11.78	11.82	11.86	11.90	11.94	11.99	Temperature coefficient of Voc	-0.23%/°C	Maximum series fuse	25 A
Maximum Power Voltage Vmp(V)	36.20	36.30	36.50	36.70	36.90	37.10	Temperature coefficient of Pmax	(-0.28±0.028)%/℃	Operating temperature	-40°C
Maximum Power Pmax(Wp)	426.40	433.40	441.10	437.40	441.10	445.00	NMOT	44℃ ±2℃	Maximum system voltage	1500

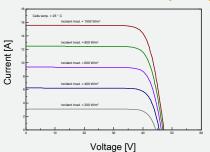
Piece/Box 36 Piece/Container(40'HQ) 720

*Customized packaging is available upon request.

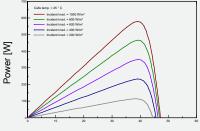
🖗 Add : 1#, Zhixi Industrial Zone, JintanJiangsu 213251, P.R. China 🛛 🖕 Tel: +86 519 6822 0233 🖂 E-mail: info@znshinesolar.com

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 2402.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

I-V CURVES OF PV MODULE(580W)



P-V CURVES OF PV MODULE(580W)



Voltage [V]

1500 V DC

-40°C~+85°C

Up to 5400 Pa

Up to 2400 Pa