



ZXMR-UOLD144 Series

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

570-605W

23.4%

0.40%

POWER RANGE

MAXIMUM EFFICIENCY

YEARLY DEGRADATION



12 YEARS PRODUCT WARRANTY



30 YEARS OUTPUT GUARANTEE







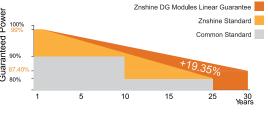
IEC 61215/IEC 61730

ISO 14001: Environmental Managerment System

ISO 9001: Quality Managerment System

ISO45001: Occupational Health and Safety Managerment 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.



*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.



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.

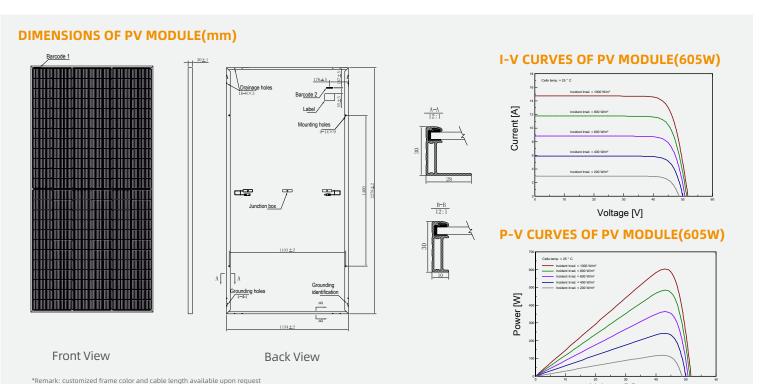


Graphene Coating

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



Voltage [V]



ELECTRICAL CHARACTERISTICS | STC*

MECHANICAL DATA

Nominal Power Watt Pmax(W)*	570	575	580	585	590	595	600	605	Solar cells	N-type Monocrystalline
Maximum Power Voltage Vmp(V)	41.70	41.90	42.10	42.30	42.50	42.70	42.90	43.10	Cells orientation	144 (6×24)
Maximum Power Current Imp(A)	13.67	13.73	13.78	13.83	13.89	13.94	13.99	14.04	Module dimension	2278×1134×30mm (With Frame)
Open Circuit Voltage Voc(V)	50.30	50.50	50.70	50.90	51.10	51.30	51.50	51.70	Weight	31.5±1.0 kg
Short Circuit Current Isc(A)	14.39	14.45	14.50	14.55	14.61	14.66	14.71	14.76	Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Module Efficiency (%)	22.1	22.3	22.5	22.6	22.8	23.0	23.2	23.4	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/m², Module Temperature 25±2°C, AM 1.5								Cables	4 mm ² ,350mm (With Connectors)	

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

Please refer to regional datasneet for specified conflector	WORKING CONDITIONS
TEMPERATURE RATINGS	WORKING CONDITIONS

MC4-EVO2 compatible

Maximum Power Pmax(Wp)	433.30	437.20	440.80	444.40	448.40	452.00	455.70	459.30	NMOT	44°C ±2°C	Maximum system voltage	1500 V DC
Maximum Power Voltage Vmp(V)	39.30	39.50	39.70	39.90	40.10	40.30	40.50	40.60	Temperature coefficient of Pmax	(-0.28±0.028)%/°C	Operating temperature	-40°C~+85°C
Maximum Power Current Imp(A)	11.02	11.06	11.10	11.14	11.19	11.23	11.26	11.30	Temperature coefficient of Voc	-0.23%/℃	Maximum series fuse	25 A
Open Circuit Voltage Voc(V)	47.70	47.90	48.10	48.20	48.40	48.60	48.80	49.00	Temperature coefficient of Isc	0.045%/℃	Front Side Maximum Static Loading	Up to 5400 Pa
Short Circuit Current Isc(A)	11.61	11.66	11.70	11.74	11.79	11.83	11.87	11.91	*Remark:Do not connect Euse in Combiner Box with t	wo or more strings in para	Rear Side Maximum Static Loading	Up to 2400 Pa

Connectors*

PACKAGING CONFIGURATION *

ELECTRICAL CHARACTERISTICS | NMOT

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

^{*}Customized packaging is available upon request.

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^{*}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.