

ZXM7-EHLD120 Series

11BB HALF-CELL Double Glass Monocrystalline **PERC PV Module**

435-465W

21.55%

0.45%

POWER RANGE

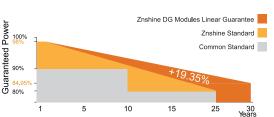
MAXIMUM EFFICIENCY

YEARLY DEGRADATION



12 YEARS PRODUCT WARRANTY





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







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

MBB 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

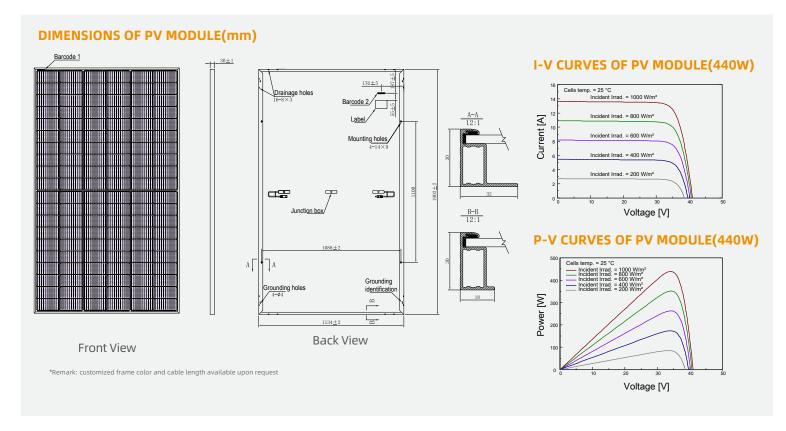
Global, Tier 1 bankable brand, with independently certified advanced automated manufacturing.



Excellent Quality Managerment System

Warranted reliability and stringent quality assurances well beyond certified requirements.





ELECTRICAL	. CHARACTERIS	TICS STC*

MECHANICAL DATA

Nominal Power Watt Pmax(W)*	435	440	445	450	455	460	465	Solar cells	Mono PERC
Maximum Power Voltage Vmp(V)	33.90	34.10	34.30	34.50	34.70	34.90	35.10	Cells orientation	120 (6×20)
Maximum Power Current Imp(A)	12.84	12.91	12.98	13.05	13.12	13.19	13.25	Module dimension	1903×1134×30 mm (With Frame)
Open Circuit Voltage Voc(V)	40.80	41.00	41.20	41.40	41.60	41.80	42.00	Weight	26.5 ±1.0 kg
Short Circuit Current Isc(A)	13.57	13.64	13.71	13.78	13.85	13.92	13.99	Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Module Efficiency (%)	20.16	20.39	20.62	20.85	21.08	21.32	21.55	Junction box	IP 68, 3 diodes
*The data above is for reference only and the actual data is in accordance with the pratical testing						ting		Cables	4 mm ² .350 mm (With Connectors)

Connectors*

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

Amt	 	1.1.4	 	 	

Maximum Power Pmax(Wp)	325.20	328.90	332.60	336.40	340.10	343.80	347.40
Maximum Power Voltage Vmpp(V)	31.50	31.70	31.90	32.10	32.30	32.50	32.6
Maximum Power Current Impp(A)	10.31	10.37	10.42	10.48	10.54	10.59	10.64
Open Circuit Voltage Voc(V)	38.10	38.30	38.50	38.70	38.90	39.00	39.20
Short Circuit Current Isc(A)	10 96	11 02	11 07	11 13	11 18	11 24	11 30

10.96 11.02 11.07 11.13 11.18 11.24 11.30

PACKAGING CONFIGURATION *

ELECTRICAL CHARACTERISTICS | NMOT

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

*Customized packaging is available upon request.

Please relei	to regional	uatasneet ioi	specified c	.omector	
TEMPER	ATLIDE	DATING			\A//

MC4-compatible

TEMPERATURE RATINGS		WORKING CONDITIONS			
NMOT	44℃ ±2℃	Maximum system voltage	1500 V DC		
Temperature coefficient of Pmax	-0.35%/℃	Operating temperature	-40°C~+85°C		
Temperature coefficient of Voc	-0.29%/℃	Maximum series fuse	25 A		
Temperature coefficient of Isc	0.05%/℃	Front Side Maximum Static Loading	Up to 5400 Pa		

Up to 2400 Pa

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

Rear Side Maximum Static Loading *Remark: Do not connect Fuse in Combiner Box with two or more strings in parallel connection

^{*}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.

 $^{{}^{*}\}text{Caution:} Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills$ and please carefully read the safety and installation instructions before using our PV modules.

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