# ZXM6-NH120 Series



Znshinesolar 9BB HALF-CELL Black Monocrystalline PERC PV Module

### 360W | 365W | 370W | 375W | 380W



#### **Excellent Cell Efficiency**

9BB technology decreases the distance between busbar 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 state-of-the-art automated manufacturing.



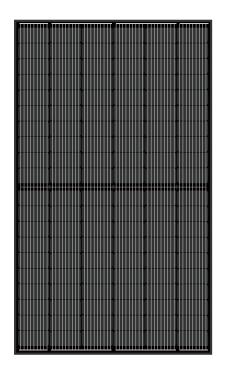
#### **Excellent Quality Managerment System**

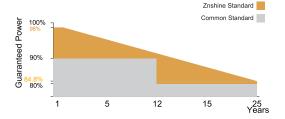
Warranted reliability and stringent quality assurances well beyond certified requirements.



#### **Improved Aesthetics**

Compared to conventional modules, this full black modules have a more uniform appearance and superior aesthetics.







12 years product guarantee25 years output guarantee



0.55% annual degradation after the first year











IEC61215/IEC61730/IEC61701/IEC62716/UL61730

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

ISO45001: Occupational Health and Safety Management System



ELECTRICAL CHARACTERISTICS   STC*					
Nominal Power Watt Pmax(W)*	360	365	370	375	380
Power Output Tolerance Pmax(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage Vmp(V)	33.80	34.00	34.20	34.40	34.60
Maximum Power Current Imp(A)	10.66	10.74	10.82	10.91	10.99
Open Circuit Voltage Voc(V)	40.60	40.80	41.00	41.20	41.40
Short Circuit Current Isc(A)	11.24	11.33	11.42	11.51	11.60
Module Efficiency (%)	19.76	20.04	20.31	20.59	20.86

<sup>&</sup>quot;STC (Standard Test Condition): Irradiance Toolow/m-, Module Temperature 25°C, AM 1.5

<sup>\*</sup>Measuring tolerance: ±3%

ELECTRICAL CHARACTERISTICS   NMOT*						
Maximum Power Pmax(Wp)	268.50	272.10	275.80	279.80	283.50	
Maximum Power Voltage Vmpp(V)	31.40	31.60	31.70	31.90	32.10	
Maximum Power Current Impp(A)	8.55	8.62	8.69	8.76	8.83	
Open Circuit Voltage Voc(V)	37.90	38.00	38.20	38.40	38.60	
Short Circuit Current Isc(A)	9.08	9.15	9.22	9.29	9.37	

<sup>\*</sup>NMOT(Nominal module operating temperature):Irradiance 800W/m²,Ambient Temperature 20°C,AM 1.5,Wind Speed 1m/s

#### **MECHANICAL DATA** Mono PERC Solar cells 120 (6×20) Cells orientation 1755×1038×35 mm(With Frame) Module dimension 20.5 kg Weight 3.2mm, High Transmission, AR Coated Tempered Glass Glass IP 68, 3 diodes Junction box Cables 4 mm<sup>2</sup> ,350 mm Connectors MC4-compatible

TEMPERATURE RATINGS		WORKING CONDITIONS		
NMOT	44℃ ±2℃	Maximum system voltage	1500 V DC	
Temperature coefficient of Pmax	-0.36%/℃	Operating temperature	-40°C~+85°C	
Temperature coefficient of Voc	-0.29%/℃	Maximum series fuse	20 A	
Temperature coefficient of Isc	0.05%/℃	Maximum load(snow/wind)	5400 Pa / 2400 Pa	
		Fire Performance	Type 1	

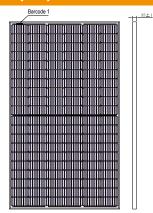
<sup>\*</sup>Do not connect Fuse in Combiner Box with two or more strings in parallel connection

## PACKAGING CONFIGURATION

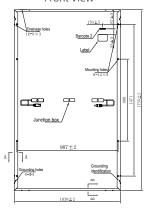
Piece/Box	31
Piece/Container <sub>(40'HQ)</sub>	806
Bioco/Containor	871

<sup>\*</sup>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.

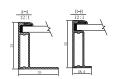
#### **DIMENSIONS(MM)**



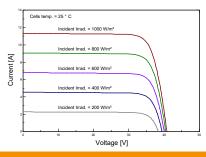
Front View



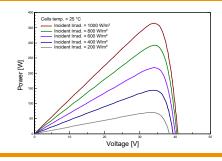
**Back View** 



#### I-V CURVES OF PV MODULE(365W)



#### P-V CURVES OF PV MODULE(365W)



<sup>\*</sup>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.