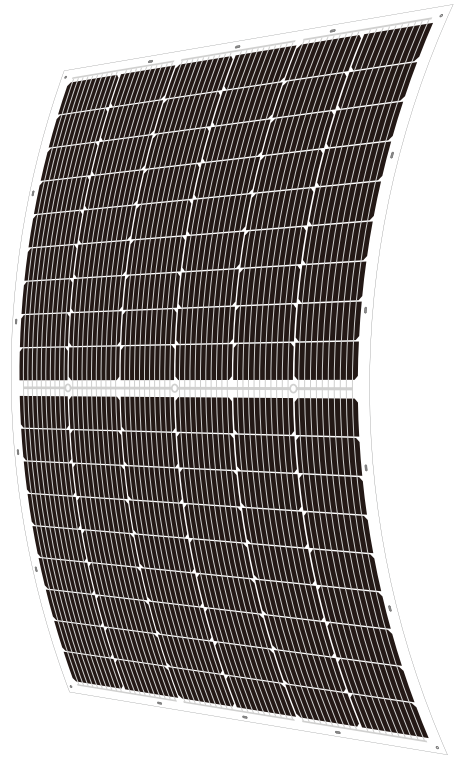
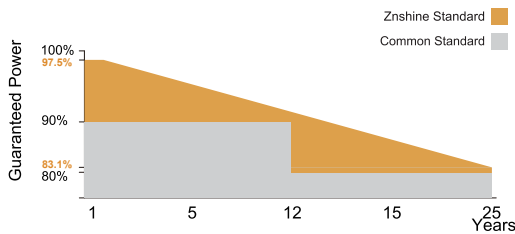


ZXM7-SHB108 Series

10BB HALF-CELL Monocrystalline PERC
Lightweight-reinforced PV Module



380-410W POWER RANGE **20.45%** MAXIMUM EFFICIENCY **0.60%** YEARLY DEGRADATION



10 10 YEARS PRODUCT WARRANTY

25 25 YEARS OUTPUT GUARANTEE

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

KEY FEATURES



Light-weight Design

Optimized composite materials, max to 70% lighter at the same power



Flexibility

Industry-leading composite materials and unique encapsulation tech make lightweight strengthen module flexible and fit perfectly with curved surfaces.



Customization

Customized design for different scenarios



Easy transportation and installation

Original design making it far less costly for transportation and installation



Anti PID

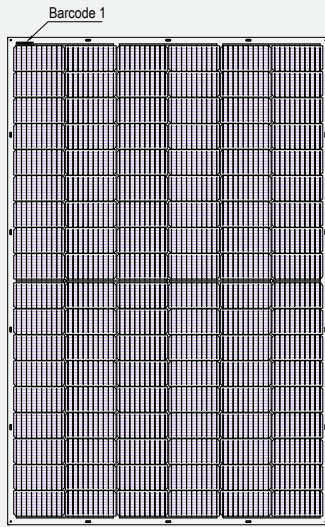
Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



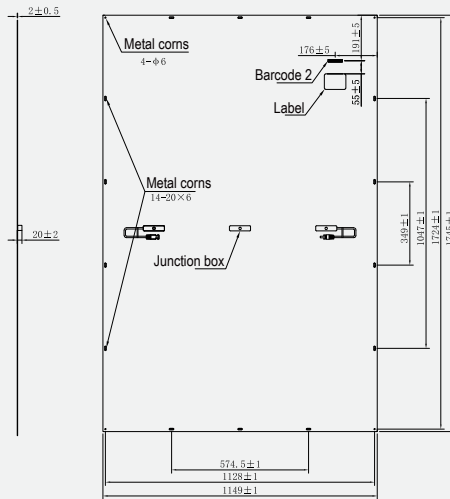
Better Weak Illumination Response

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

DIMENSIONS OF PV MODULE(mm)



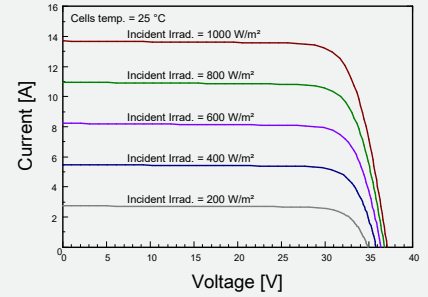
Front View



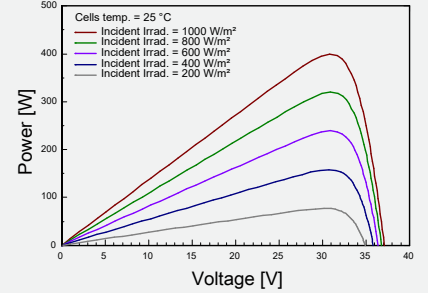
Back View

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

I-V CURVES OF PV MODULE(400W)



P-V CURVES OF PV MODULE(400W)



ELECTRICAL CHARACTERISTICS | STC*

Nominal Power Watt Pmax(W)*	380	385	390	395	400	405	410
Maximum Power Voltage Vmp(V)	30.10	30.30	30.50	30.70	30.90	31.10	31.30
Maximum Power Current Imp(A)	12.63	12.71	12.79	12.87	12.95	13.03	13.10
Open Circuit Voltage Voc(V)	36.30	36.50	36.70	36.90	37.10	37.30	37.50
Short Circuit Current Isc(A)	13.42	13.49	13.56	13.63	13.70	13.77	13.84
Module Efficiency (%)	18.95	19.20	19.45	19.70	19.95	20.20	20.45

*The data above is for reference only and the actual data is in accordance with the practical testing
 *STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2°C, AM 1.5
 *Measuring uncertainty: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

MECHANICAL DATA

Solar cells	Mono PERC
Cells orientation	108 (6×18)
Module dimension	1745×1149×2 mm (Frameless,JB Included)
Weight	6.0 ±1.0 kg
Backsheet	White
Junction box	IP 68, 3 diodes
Cables	4 mm ² , 350 mm (With Connectors)
Connectors*	MC4-compatible

*Please refer to regional datasheet for specified connector

ELECTRICAL CHARACTERISTICS | NMOT

Maximum Power Pmax(Wp)	283.90	287.70	291.50	295.20	299.00	302.70	306.30
Maximum Power Voltage Vmpp(V)	27.90	28.10	28.30	28.50	28.70	28.90	29.10
Maximum Power Current Impp(A)	10.17	10.23	10.29	10.35	10.41	10.47	10.53
Open Circuit Voltage Voc(V)	33.90	34.10	34.30	34.50	34.70	34.80	35.00
Short Circuit Current Isc(A)	10.84	10.90	10.95	11.01	11.06	11.12	11.18

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

TEMPERATURE RATINGS

NMOT	44°C ±2°C	Maximum system voltage	1500 V DC
Temperature coefficient of Pmax	-0.35%/°C	Operating temperature	-40°C~+85°C
Temperature coefficient of Voc	-0.29%/°C	Maximum series fuse	25 A
Temperature coefficient of Isc	0.05%/°C	Front Side Maximum Static Loading	Up to 5400 Pa
		Rear Side Maximum Static Loading	Up to 2400 Pa

*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.
 *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.

PACKAGING CONFIGURATION *

Piece/Box	80
Piece/Container(40'HQ)	1920

*Customized packaging is available upon request.