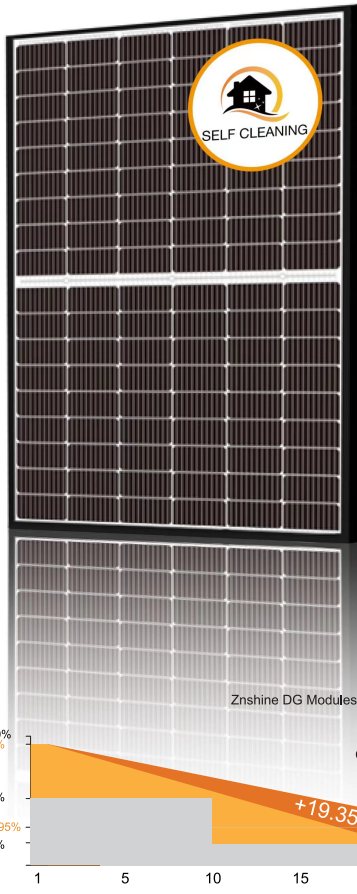


# ZXM7-SHLD108 Series

10BB Half-Cell Double Glass Mono PERC PV Module



**30 Years Product Warranty For Rooftop PV System**



**30 Years Output Guarantee**

**395-415W**  
POWER RANGE

**21.25%**  
MAXIMUM EFFICIENCY

**0.45%**  
YEARLY DEGRADATION



IEC 61215/IEC 61730/IEC 61701/IEC 62716

ISO 14001: Environmental Management System

ISO 9001: Quality Management System

ISO45001: Occupational Health and Safety Management System

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

\*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



### Higher Power Output

Multi-Busbar Half-cell Technology enables this module generate more power under the same condition.



### Fit for Harsh Environment

Certified to withstand most challenging environments such as high humidity, salt and ammonia, sandy, and high temperature



### Better Weak Illumination Response

More power output even in low-light settings such as early morning and late afternoon



### TIER 1

Global, Tier 1 bankable brand, with independently certified state-of-the-art automated manufacturing.



### Anti PID

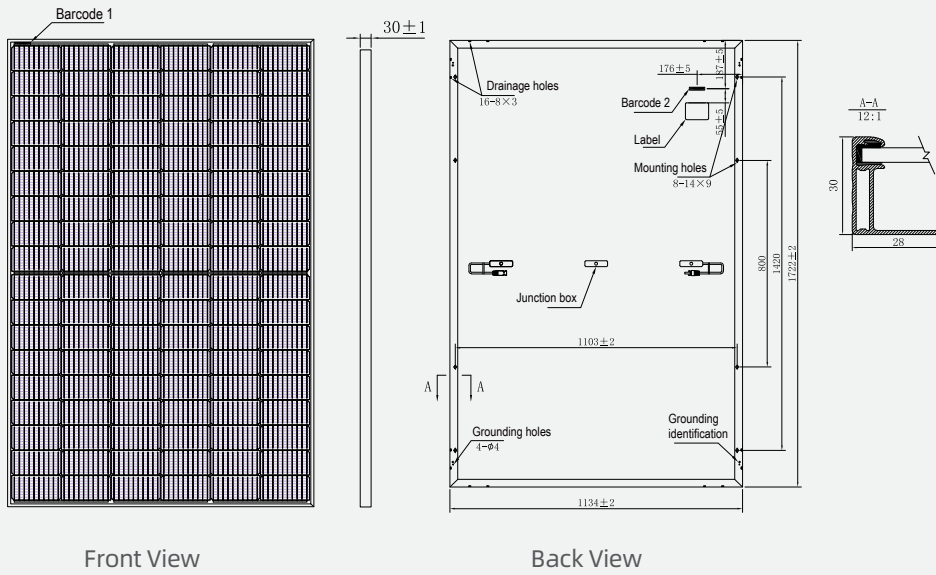
Ensured PID resistance through most stringent QA system from incoming materials through complete manufacturing process.



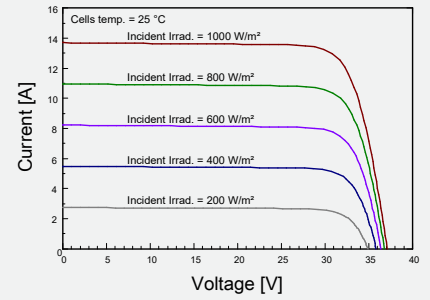
### Consistent and Lasting Panel Quality

Warranted reliability achieved through strictest QA regime well beyond certifying requirements

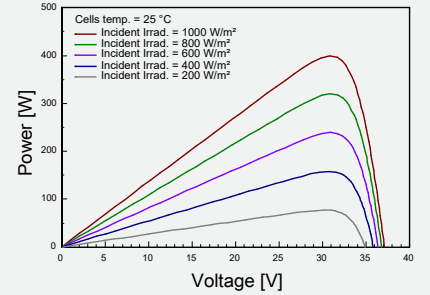
**DIMENSIONS OF PV MODULE(mm)**



**I-V CURVES OF PV MODULE(400W)**



**P-V CURVES OF PV MODULE(400W)**



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

**ELECTRICAL CHARACTERISTICS | STC\***

Module Type	ZXM7-SHLD108 -395/M	ZXM7-SHLD108 -400/M	ZXM7-SHLD108 -405/M	ZXM7-SHLD108 -410/M	ZXM7-SHLD108 -415/M
Nominal Power Watt Pmax(W)*	395	400	405	410	415
Power Output Tolerance Pmax(%) (±3%)	395	400	405	410	415
Maximum Power Voltage Vmp(V)	30.70	30.90	31.10	31.30	31.50
Maximum Power Current Imp(A)	12.87	12.95	13.03	13.10	13.18
Open Circuit Voltage Voc(V) (±3%)	36.90	37.10	37.30	37.50	37.70
Short Circuit Current Isc(A) (±3%)	13.63	13.70	13.77	13.84	13.91
Module Efficiency (%)	20.23	20.48	20.74	21.00	21.25

\*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°C, AM 1.5  
 \*Measuring tolerance: ±3%

**MECHANICAL DATA**

Solar cells	Mono PERC
Cells orientation	108 (6×18)
Module dimension	1722×1133×30 mm (With Frame)
Weight	21.5±1.5 kg
Glass	High Transmission, AR Coated Heat Strengthened Glass
Junction box	Z8-CBWO, IP 68, 3 diodes
Cables	H1Z2Z2-K 1×4,0mm²
Connectors*	Z4S-CT4D2 / Genuine MC4 compatible

\*Please refer to regional datasheet for specified connector

**ELECTRICAL CHARACTERISTICS | NMOT**

Maximum Power Pmax(Wp)	295.20	299.00	302.70	306.30	310.10
Maximum Power Voltage Vmpp(V)	28.50	28.70	28.90	29.10	29.30
Maximum Power Current Imp(A)	10.35	10.41	10.47	10.53	10.59
Open Circuit Voltage Voc(V)	34.50	34.70	34.80	35.00	35.20
Short Circuit Current Isc(A)	11.01	11.06	11.12	11.18	11.23

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

**TEMPERATURE RATINGS\***

NMOT	44°C ±2°C
Temperature coefficient of Pmax	-0.35%/°C
Temperature coefficient of Voc	-0.29%/°C
Temperature coefficient of Isc	0.05%/°C

**WORKING CONDITIONS**

Maximum system voltage	1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	25 A
Maximum load front/back	3600/1600 with safety factor 1.5

**PACKAGING CONFIGURATION \*\***

Piece/Box	36
Piece/Container(40'HQ)	936

\*Do not connect Fuse in Combiner Box with two or more strings in parallel connection  
 \*\*Customized packaging is available upon request.

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.