

ZXM6-NHLDD120 Series



ZNSHINESOLAR

Znshinesolar 9BB HALF-CELL Bifacial Light-Weight
Double Glass 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.



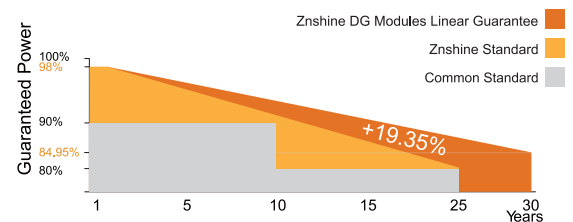
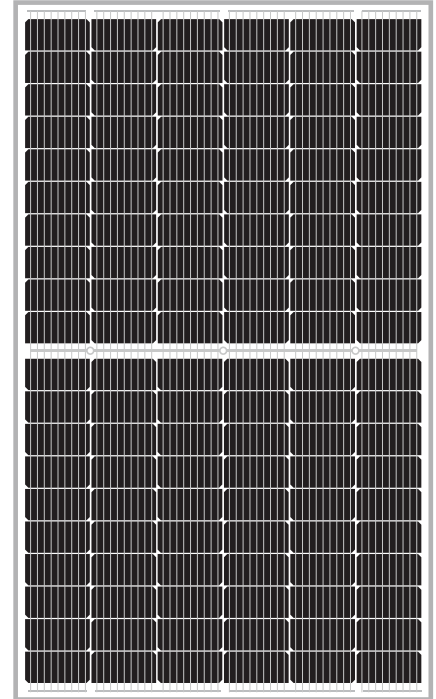
Excellent Quality Management System

Warranted reliability and stringent quality assurances well beyond certified requirements.



Bifacial Technology

Up to 25% additional power gain from back side depending on albedo.



12 years product guarantee
30 years output guarantee



0.45% annual degradation
after the first year

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IEC61215/IEC61730/IEC61701/IEC62716/UL161730

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

ISO45001: Occupational Health and Safety Management System

Founded in 1988, ZNShine solar is a world's leading high-tech PV module manufacturer. With the state-of-the-art production lines, the company boasts module capacity of 6GW. Bloomberg has listed ZNShine as a global Tier 1 PV module maker. Today Znshine has distributed its sales to more than 60 countries around the globe.

www.znshinesolar.com

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)	11.20	11.27	11.34	11.43	11.51
Module Efficiency (%)	19.76	20.04	20.31	20.59	20.86

*STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25°C, AM 1.5
*Measuring tolerance: ±3%

ELECTRICAL CHARACTERISTICS | NMOT*

Maximum Power Pmax(Wp)	268.60	272.10	275.80	279.60	283.30
Maximum Power Voltage Vmp(V)	31.50	31.70	31.90	32.10	32.30
Maximum Power Current Imp(A)	8.52	8.58	8.64	8.71	8.77
Open Circuit Voltage Voc(V)	37.90	38.00	38.20	38.40	38.60
Short Circuit Current Isc(A)	9.05	9.10	9.16	9.23	9.30

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

ELECTRICAL CHARACTERISTICS WITH 25% REAR SIDE POWER GAIN

Front power Pmax/W	360	365	370	375	380
Total power Pmax/W	450	456	463	469	475
Vmp/V(Total)	33.90	34.10	34.30	34.50	34.70
Imp/A(Total)	13.27	13.38	13.48	13.59	13.69
Voc/V(Total)	40.70	40.90	41.10	41.30	41.50
Isc/A(Total)	13.81	13.91	14.00	14.23	14.34

MECHANICAL DATA

Solar cells	Mono PERC
Cells orientation	120 (6x20)
Module dimension	1755x1038x30 mm(With Frame)
Weight	22.5 kg
Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Junction box	IP 68, 3 diodes
Cables	4 mm ² , 350 mm
Connectors	MC4-compatible

TEMPERATURE RATINGS

NMOT	44°C ±2°C	Maximum system voltage	1500 V DC
Temperature coefficient of Pmax	-0.36%/°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	Maximum load(snow/wind)	5400 Pa / 2400 Pa

Refer.Bifacial Factor 70±5%

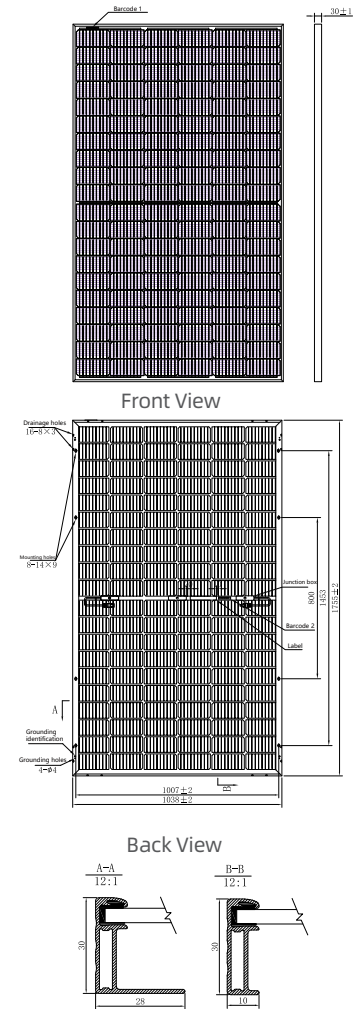
*Do not connect Fuse in Combiner Box with two or more strings in parallel connection
*Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

PACKAGING CONFIGURATION

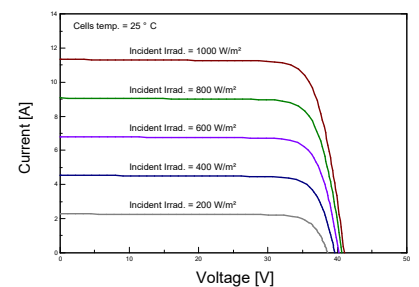
Piece/Box	36
Piece/Container(40'HQ)	936
Piece/Container(with additional small package)	/



DIMENSIONS(MM)



I-V CURVES OF PV MODULE(370W)



P-V CURVES OF PV MODULE(370W)

