

ZXM6-NHLDD120 Series



Znshinesolar 9BB HALF-CELL Black Bifacial Light-Weight Double Glass Monocrystalline PERC PV Module

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



Excellent cells efficiency

9BB technology decreases the distance between bus bars 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 morning



Anti PID

Limited power degradation caused by PID effect is guaranteed under strict testing condition for mass production



High wind and snow resistance

■ 5400 Pa snow load ■ 2400 Pa wind load



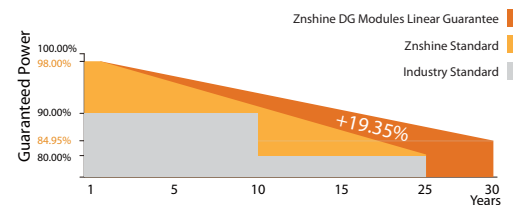
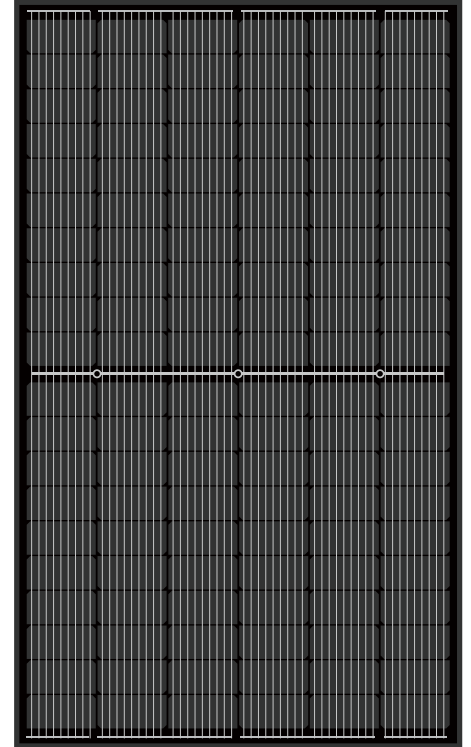
Improved Aesthetics

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



Bifacial technology

Enables additional energy harvesting from rear side (up to 25%)



12 years product guarantee
30 years output guarantee



0.45% annual degradation
over 30 years



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.

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 (6×20)
Module dimension	1755×1038×30 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 , 1200 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%		

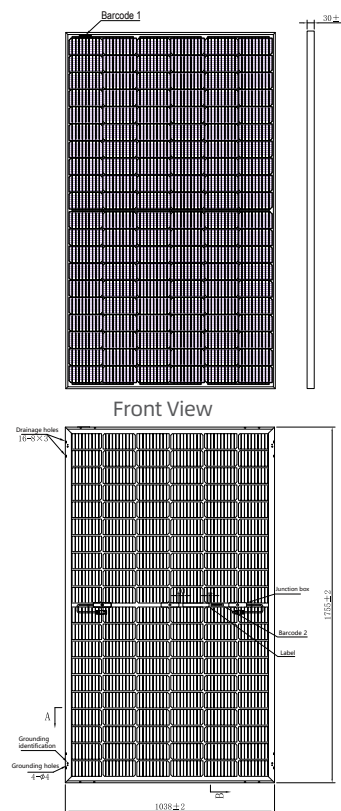
*Do not connect Fuse in Combiner Box with two or more strings in parallel connection

*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.

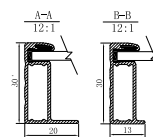
PACKAGING CONFIGURATION

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

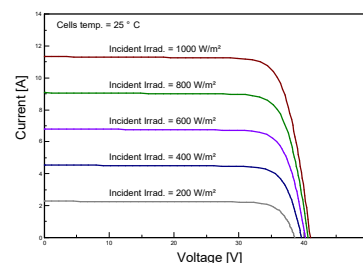
DIMENSIONS(MM)



Back View



I-V CURVES OF PV MODULE(370W)



P-V CURVES OF PV MODULE(370W)

