

ZXM6-NPLDD224 Series

9BB HALF-CELL Bifacial Double Glass Monocrystalline PERC PV Module

690-715W

21.56%

0.45%

POWER RANGE

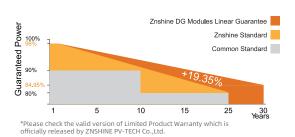
MAXIMUM EFFICIENCY

YEARLY DEGRADATION



12 YEARS PRODUCT WARRANTY





Key Features



Excellent Cells Efficiency

9BB technology reduce the distance between busbars and finger grid line which is benefit to power increase.



Anti PID

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



TIER 1

Global, Tier 1 bankable brand, with independently certified advanced automated manufacturing.



Bifacial Technology

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



Better Weak Illumination Response

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



Adapt To Harsh Outdoor Environment

Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.

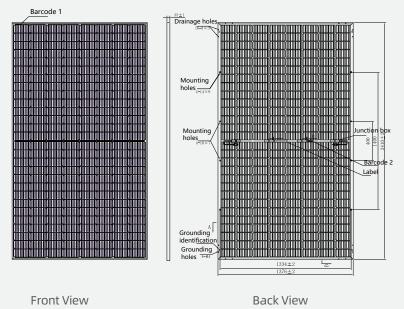


Excellent Quality Managerment System

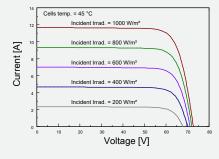
Warranted reliability and stringent quality assurances well beyond certified requirements.



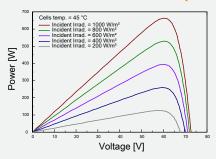
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(715W)



P-V CURVES OF PV MODULE(715W)



WORKING CONDITIONS

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

ELECTRICAL CHARACTERISTICS | STC*

Nominal Power Watt Pmax(W)*	690	695	700	705	710	715
Maximum Power Voltage Vmp(V)	65.10	65.30	65.50	65.70	65.90	66.10
Maximum Power Current Imp(A)	10.60	10.65	10.69	10.74	10.78	10.82
Open Circuit Voltage Voc(V)	76.60	76.80	77.00	77.20	77.40	77.60
Short Circuit Current Isc(A)	11.33	11.38	11.43	11.48	11.53	11.58
Module Efficiency (%)	20.81	20.96	21.11	21.26	21.41	21.56

^{*}The data above is for reference only and the actual data is in accordance with the pratical testing

MECHANICAL DATA

Solar cells	Mono PERC
Cells orientation	224 (8×28)
Module dimension	2410×1376×35 mm (With Frame)
Weight	41.0±1.0 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 (With Connectors)
Connectors*	MC4-compatible

^{*}Please refer to regional datasheet for specified connector

ELECTRICAL CHARACTERISTICS | NMOT*

Maximum Power Pmax(Wp)	513.30	517.20	520.80	524.70	528.40	532.00
Maximum Power Voltage Vmpp(V)	59.80	59.90	60.10	60.30	60.40	60.60
Maximum Power Current Impp(A)	8.59	8.63	8.66	8.71	8.74	8.78
Open Circuit Voltage Voc(V)	71.40	71.50	71.70	71.90	72.10	72.30
Short Circuit Current Isc(A)	9.15	9.19	9.23	9.27	9.31	9.35
*NMOT:Irradiance 800W/m² Ambient Tempera	ture 20°C AM	1.5 Wind	Sneed 1m/	c		

ELECTRICAL CHARACTERISTICS WITH 25% REAR SIDE POWER GAIN*

Front power Pmax/W	690	695	700	705	710	715	
Total power Pmax/W	863	869	875	881	888	894	
Vmp/V(Total)	65.20	65.40	65.60	65.80	66.00	66.20	
Imp/A(Total)	13.23	13.28	13.34	13.39	13.45	13.50	
Voc/V(Total)	76.70	76.90	77.10	77.30	77.50	77.70	
Isc/A(Total)	14.14	14.19	14.26	14.32	14.38	14.45	

ifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

TEMPERATURE RATINGS

٠	NMOT	44°C ±2°C	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	25 A
	Temperature coefficient of Isc	0.05%/℃	Front Side Maximum Static Loading	Up to 5400 Pa
	Refer.Bifacial Factor *Please refer to regional datasheet for specific	70±10% ed connector	Rear Side Maximum Static Loading	Up to 2400 Pa

PACKAGING CONFIGURATION*

Piece/Box	31
Piece/Container(with additional small package)	512

 $^{{}^*\!}Remark: Do \,not \,connect \,Fuse \,in \,Combiner \,Box \,with \,two \,or \,more \,strings \,in \,parallel \,connection$

and please carefully read the safety and installation installations before asing our 1.1

^{*}STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2°C, AM 1.5

^{*}Measuring uncertainity: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

^{*}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.