

-Key Features



Excellent Cells Efficiency

SMBB 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.



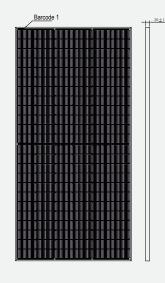
Excellent Quality Managerment System

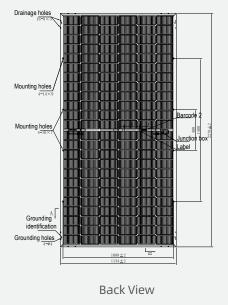
Warranted reliability and stringent quality assurances well beyond certified requirements.

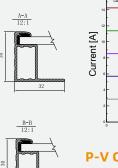
Founded in 1988, ZNShine solar is a world's leading high-tech PV module manufacturer.With the advanced production lines, the company boasts module capacity of 10 GW. Bloomberg has listed ZNShine as a global Tier 1 PV module maker. Today Znshine has distributed its sales to more than 60 countries around the globe.



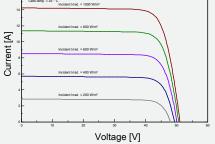
DIMENSIONS OF PV MODULE(mm)



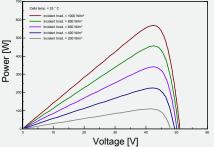








P-V CURVES OF PV MODULE(570W)



ELECTRICAL CHARACTERISTICS | STC*

Front View

Nominal Power Watt Pmax(W)* 555 560 565 570 575 41.80 42.00 42.60 Maximum Power Voltage Vmp(V) 42.20 42.40 13.28 13.34 13.39 13.50 Maximum Power Current Imp(A) 13.45 50.50 50.70 50.90 51.10 51.30 Open Circuit Voltage Voc(V) 14.05 14.11 14.17 14.23 14.29 Short Circuit Current Isc(A) 21.48 21.67 21.86 22.06 22.25 Module Efficiency (%)

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

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

*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.

ELECTRICAL CHARACTERISTICS | NMOT*

Maximum Power Pmax(Wp) *(Power selection: 0~+ 5W)	419.00	422.80	426.40	430.30	433.90
Maximum Power Voltage Vmp(V)	39.30	39.50	39.70	39.90	40.00
Maximum Power Current Imp(A)	10.66	10.70	10.74	10.79	10.83
Open Circuit Voltage Voc(V)	47.60	47.80	48.00	48.20	48.40
Short Circuit Current Isc(A)	11.35	11.39	11.44	11.48	11.53
*NMOT: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	555	560	565	570	575	
Total power Pmax/W	694	700	706	713	719	
Vmp/V(Total)	41.90	42.10	42.30	42.50	42.70	
Imp/A(Total)	16.56	16.63	16.70	16.76	16.83	
Voc/V(Total)	50.60	50.80	51.10	51.20	51.40	
Isc/A(Total)	17.52	17.59	17.67	17.74	17.82	

Solar cells N-type Monocrystalline Cells orientation 144 (6×24) Module dimension 2279×1134×30 mm (With Frame)

Weight	31.5±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

TEMPERATURE RATINGS

MECHANICAL DATA

NMOT	44℃ ±2℃	Maximum system voltage	1500 V DC		
Temperature coefficient of Pmax	(-0.30±0.03)%/℃	Operating temperature	-40°C~+85°C		
Temperature coefficient of Voc	-0.25%/°C	Maximum series fuse	30 A		
Temperature coefficient of lsc	0.046%/℃	Front Side Maximum Static Loading	Up to 5400Pa		
Refer.Bifacial Factor (70±10)% Rear Side Maximum Static Loading Up to 2400Pa *Remark:Do not connect Fuse in Combiner Box with two or more strings in parallel connection Image: Connection Image: Connection					

WORKING CONDITIONS

PACKAGING CONFIGURATION *

Piece/Box	36
Piece/Container(40'HQ)	720

*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.

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

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