

Key Features



Excellent Cells Efficiency

MBB 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.

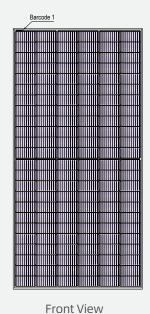


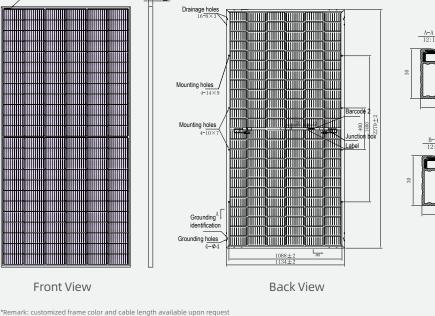
Excellent Quality Managerment System

Warranted reliability and stringent quality assurances well beyond certified requirements.

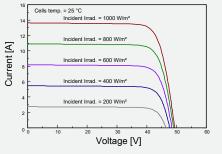


DIMENSIONS OF PV MODULE(mm)

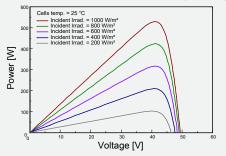




I-V CURVES OF PV MODULE(530W)



P-V CURVES OF PV MODULE(530W)



ELECTRICAL CHARACTERISTICS | STC*

Nominal Power Watt Pmax(W)* 530 535 540 545 550 555 41.30 41.50 Maximum Power Voltage Vmp(V) 41.10 41.70 41.90 42.10 12.91 12.96 13.02 13.13 13.19 13.07 Maximum Power Current Imp(A) 49.40 49.60 49.80 50.00 50.20 50.40 Open Circuit Voltage Voc(V) 13.65 13.71 13.77 13.83 13.89 13.95 Short Circuit Current Isc(A) 20.51 20.70 20.89 21.09 21.28 21.48 Module Efficiency (%)

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

*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)	396.40	399.90	403.60	406.80	410.80	414.60
Maximum Power Voltage Vmpp(V)	38.20	38.40	38.50	38.80	38.90	39.10
Maximum Power Current Impp(A)	10.38	10.42	10.47	10.49	10.56	10.61
Open Circuit Voltage Voc(V)	46.20	46.30	46.50	46.70	46.90	47.10
Short Circuit Current Isc(A)	11.02	11.07	11.12	11.17	11.22	11.27
*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	530	535	540	545	550	555
Total power Pmax/W	663	669	675	681	688	694
Vmp/V(Total)	41.20	41.40	41.60	41.80	42.00	42.20
Imp/A(Total)	16.08	16.15	16.23	16.30	16.37	16.44
Voc/V(Total)	49.50	49.70	49.90	50.10	50.30	50.50
Isc/A(Total)	17.02	17.10	17.17	17.25	17.32	17.39

r of the front side at the standard test condition ifacial 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

MECHANICAL DATA

Solar cells	Mono PERC			
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

NMOT	44°C ±2°C	Maximum system voltage	1500 V DC
Temperature coefficient of Pmax	-0.35%/°C	Operating temperature	-40°C~+85°C
Temperature coefficient of Voc	-0.29%/°C	Maximum series fuse	30 A
Temperature coefficient of Isc	0.05%/°C	Front Side Maximum Static Loading	Up to 5400Pa
Refer.Bifacial Factor *Remark:Do not connect Fuse in Combiner Box with tw	70±10% 10 or more strings in	Rear Side Maximum Static Loading parallel connection	Up to 2400Pa

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.

🖗 Add : 1#, Zhixi Industrial Zone , JintanJiangsu 213251 , P.R. China 🛛 📐 Tel: +86 519 6822 0233 🛛 🖂 E-mail : info@znshinesolar.com

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