

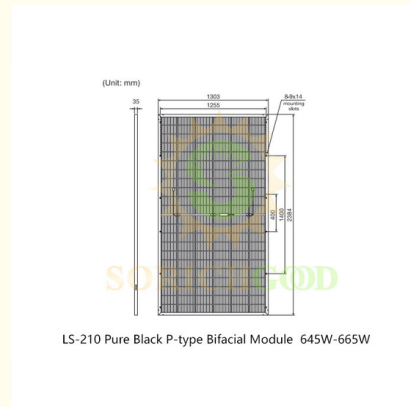


645W Monocrystalline Silicon Panels The Ultimate Solution for Solar Energy Production

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: IEC 61215/IEC 61730/ISO 9001/ISO 14001/ISO 45001
- Model Number: PB645
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Power Range: 645W ~ 665W
- Maximum Efficiency: 21.41%
- Nominal Maximum Power (Pmax): 645W (STC)
- Maximum Power Voltage (Vmp): 37.43V ~ 38.23V (STC)
- Maximum Power Current (Imp): 17.24A ~ 17.40A (STC)
- Open Circuit Voltage (Voc): 45.40V ~ 46.20V (STC)
- Short Circuit Current (Isc): 18.30A ~ 18.46A (STC)
- Temperature Coefficient (Pmax): -0.34%
- Highlight: **30a monocrystalline silicon panels,
30a monocrystalline silicon solar panels**

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210 Pure Black P-type Bifacial Module

645W ~ 665W

0W ~ +5W

21.41%

Double sides power output to reach higher comprehensive efficiency and get more profit.

Technical drawing of a 1000x1000mm grid panel. The drawing shows a rectangular grid with dimensions 1303mm (width) and 1255mm (height). A 35mm dimension is shown on the left side. A 400mm dimension is shown on the right side, with a 1400mm dimension below it. A 2384mm dimension is shown on the right side. A label '80x100mm' is shown on the right side, pointing to a specific grid section. The drawing is labeled '1000x1000mm' at the top.

Electrical Performance Parameters STC						
Model Type		645D(HB D) 66(210)	650D(H BD) 66(210)	655D(H BD) 66(210)	660D(H BD) 66(210)	665D(HBD) 66(210)
Nominal Max.Power	Pmax (W)	645	650	655	660	665
Max.Power Voltage	Vmp(V)	37.43	37.63	37.83	38.03	38.23
Max.Power Current	Imp(A)	17.24	17.28	17.32	17.36	17.40
Open CircuitVoltage	Voc(V)	45.40	45.60	45.80	46.00	46.20
Short Circuit Current	sc(A)	18.30	18.34	18.38	18.42	18.46
Module Efficiency	(%)	20.76	20.92	21.09	21.25	21.41
Power Output Tolerance	(W)			0+5W		
*STC:Irradiance 1000W/m²,Cell Temperature 25°C,Air Mass AM1.5. *Power measurement tolerance ±3%.						
Electrical Performance Parameters NMOT						
Model Type		645D(HB D) 66(210)	650D(H BD) 66(210)	655D(H BD) 66(210)	660D(H BD) 66(210)	665D(HBD) 66(210)
Nominal Max.Power	Pmax (W)	488	492	496	500	504
Max.Power Voltage	Vmp(V)	34.84	35.04	35.22	35.42	35.62
Max.Power Current	Imp(A)	14.02	14.06	14.08	14.12	14.16
Open Circuit Voltage	Voc(V)	42.80	43.00	43.20	43.40	43.60
Short Circuit Current	Isc(A)	14.74	14.78	14.82	14.86	14.90
*NMOT:radiance 800W/m²,Cel I Temperature 20°C,Wind Speed 1m/s. *Power measurement tolerance ±3%.						

Structure Performance	
Solar Cell Type	210mm Mono-crystalline(Half Cell)
Solar Cell Arrangement	132pcs(6×22)
Module Dimension	2384×1303×35mm
Weight	38.2kg
Front Glass	2.0mm,highly transparent tempered glass with ant-reflective coating
Frame	Anodized Aluminum Alloy(Black)
Junction Box	IP68 rated
Cable	4mm²,portrait ((t-)) .Jandscape (t()-) Length can be customized
Diode Quantity	3 pcs
Front side/Rear side	5400pa/2400pa
Connector	MC4 Compatible
Per Pallet	31pcs
Per Container(40'HQ)	558pcs

Temperature Characteristics	
Nominal ModuleOperating Temperature	44±2°C
Temperature Coefficient(Isc)	+0.048%
Temperature Coefficient (Voc)	-0.26%
Temperature Coefficient (Pmax)	-0.34%

Maximum Parameters	
Working Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	30A

Application:

This bifacial module is perfect for large-scale solar farms and commercial projects where space efficiency and high power output are crucial. Its advanced bifacial design maximizes energy yield by utilizing both sides of the module, making it particularly effective in environments with reflective surfaces such as snow or sand. This module is also suitable for rooftop installations, offering a sleek, all-black aesthetic that complements modern architectural designs while providing excellent energy performance.

Shipping Methods:

Supports global air and sea shipping.



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