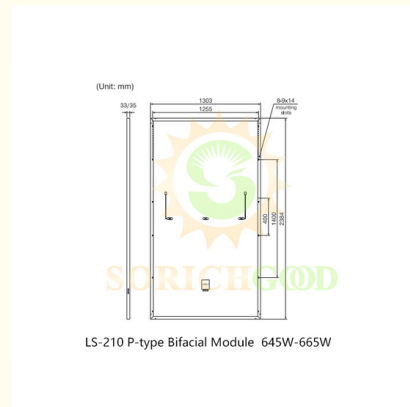




645W Stable and High-Performance Monocrystalline Silicon Panels for Various Environments

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: IEC 61215/IEC 61730/ISO 9001/ISO 14001/ISO 45001
- Model Number: PTB645
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: Per Pallet: 31pcs(35mm)/33pcs(33mm) Per 40'HQ Container: 558pcs(35mm)/594pcs(33mm)
- Payment Terms: T/T



Product Specification

- Power Range: 645W ~ 665W
- Power Output Tolerance: 0W ~ +5W
- Maximum Efficiency: 21.41%
- Module Dimensions: 2384×1303×35mm/33mm
- Weight: 38.2kg(35mm)/37.8kg(33mm)
- Temperature Coefficient (Pmax): -0.34%
- Operating Temperature: -40~+85°C
- Maximum System Voltage: 1500V DC
- Highlight: **1500v monocrystalline silicon panels,**
1500v monocrystalline silicon solar panels

Product Description

645W Stable and High-Performance Monocrystalline Silicon Panels for Various Environments

210 P-type Bifacial Module



Power Range

645W ~ 665W



Power Output Tolerance

0W ~ +5W



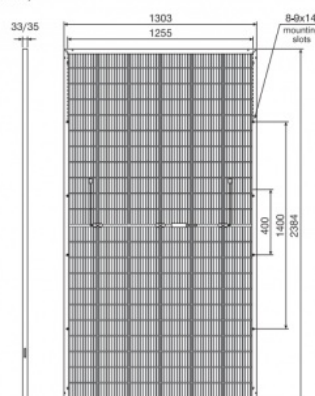
Maximum Efficiency

21.41%



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

(Unit: mm)



Product Description:

This product belongs to the 210 P-type Bifacial Module series, offering a power range of 645W to 665W, significantly enhancing overall energy output. Its bifacial power generation technology effectively increases overall efficiency, with a maximum efficiency of up to 21.41%, ensuring stable high-performance output in various environments. The module adopts advanced 210mm monocrystalline half-cell technology, combined with high-efficiency glass and backsheets materials, providing users with superior reliability and long-lasting durability.

Structure Performance	
Solar Cell Type	210mm Mono-crystalline(Half Cell)
Solar Cell Arrangement	132pcs(6×22)
Module Dimension	2384×1303×35mm/33mm
Weight	38.2kg(35mm)/37.8kg(33mm)
Front Glass	2.0mm,highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	landscape Length canbecustomized
Diode Quantity	3 pcs
Front side/Rear side	5400pa/2400pa
Connector	MC4 Compatible
Per Pallet	31pcs(35mm)/33pcs(33mm)
Per Container(40'HQ)	558pcs(35mm)/594pcs(33mm)

Temperature Characteristics	
NominalModule Operating 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

Electrical Performance Parameters STC						
Model Type		645D(HBD) 66(210)	650D(HBD) 66(210)	655D(HBD) 66(210)	660D(HBD) 66(210)	665D(HBD) 66(210)
Nominal Max.Power	Pmax(W)	645	650	655	660	665
Max.PowerVoltage	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 Circuit Voltage	V _{oc} (V)	45.40	45.60	45.80	46.00	46.20
ShortCircuit Current	I _{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 OutputTolerance	(W)			0-+5W		
*STC:Irradiance 1000W/m ² ,Cell Temperature 25°C,AirMass AM1.5. *Power measurement tolerance ±3%.						
Electrical Performance Parameters NMOT						
ModelType		645D(HBD) 66(210)	650D(HBD) 66(210)	655DIHBD 66(210)	660D(HBD) 66(210)	665D(HBD) 66(210)
Nominal Max.Power	P _{max} (W)	488	492	496	500	504
Max.Power Voltage	V _{mp} (V)	34.84	35.04	35.22	35.42	35.62
Max.Power Current	I _{mp} (A)	14.02	14.06	14.08	14.12	14.16
Open Circuit Voltage	V _{oc} (V)	42.80	43.00	43.20	43.40	43.60
Short Circuit Current	I _{sc} (A)	14.74	14.78	14.82	14.86	14.90
*NMOT:Irradiance 800W/m ² ,Cell Temperature 20°C,Wind Speed 1m/s. *Power measurement tolerance ±3%.						

Application:

This module is particularly suitable for large-scale ground-mounted power plants and industrial and commercial photovoltaic projects. It maintains high efficiency and stability even in harsh environments like high temperatures and high humidity. The bifacial power generation technology makes it especially valuable in specific scenarios such as snow-covered areas, deserts, and grasslands.

Shipping Methods:

Supports global air and sea shipping.



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