

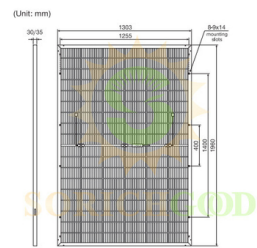


525W High Output 210 P-Type Monocrystalline Silicon Panels For Solar Energy Projects

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: PtB525
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



LS-210 P-type Bifacial Module 525W-545W

Product Specification

- Power Range: 525W To 665W
- Power Output Tolerance: 0W ~ +5W
- Maximum Efficiency: 21.41%
- Dimensions: 2384×1303×35mm / 33mm (bifacial) And 2172×1303×35mm / 33mm (monofacial)
- Weight: 33.8kg (35mm) / 33.3kg (33mm)
- Junction Box: IP68 Rated For Superior Protection Against Environmental Elements
- Diode Quantity: 3 Pcs For Enhanced Performance
- Temperature Coefficient (Pmax): -0.34%/°C, Ensuring Minimal Loss Of Efficiency Under High Temperatures
- Highlight: **525w monocrystalline silicon panels, 665W monocrystalline silicon solar panels, ip68 monocrystalline silicon cell**

Product Description

525W High-Output 210 P-Type Monocrystalline Silicon Panels for Solar Energy Projects

210 P-type Bifacial Module



Power Range

525W ~ 545W



Power Output Tolerance

0W ~ +5W



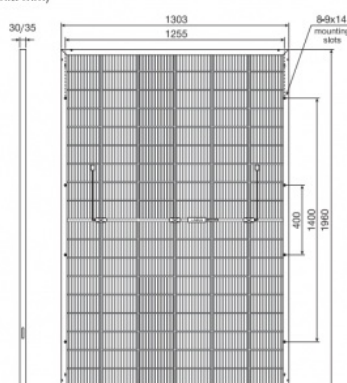
Maximum Efficiency

21.34%



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

(Unit: mm)



Product Description:

Introducing the latest 210 P-type Monofacial and Bifacial Modules designed for high-performance solar energy systems. These modules boast an impressive power range of 525W to 665W, ensuring they meet the demands of large-scale installations with greater efficiency and reliability. With an industry-leading efficiency of up to 21.41%, these modules offer superior energy output even under challenging conditions. The robust anodized aluminum alloy frame and highly transparent tempered glass provide durability, making them ideal for harsh environmental conditions. The bifacial design enhances energy yield by utilizing both sides of the module to capture more sunlight, maximizing profitability and energy output.

Electrical Performance Parameters |STC

Model Type		525D(H BD) 54(210)	530D(H BD) 54(210)	535D(H BD) 54(210)	540D(H BD) 54(210)	545D(H BD) 54(210)
Nominal Max.Power	P _{max} (W)	525	530	535	540	545
Max.Power Voltage	V _{mp} (V)	30.43	30.63	30.83	31.03	31.23
Max.Power Current	I _{mp} (A)	17.26	17.31	17.36	17.41	17.46
Open Circuit Voltage	V _{oc} (V)	37.00	37.20	37.40	37.60	37.80
Short CircuitCurrent	I _{sc} (A)	18.20	18.24	18.28	18.32	18.36
Module Efficiency	(%)	20.56	20.75	20.95	21.14	21.34
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		525D(H BD) 54(210)	530D(H BD) 54(210)	535D(H BD) 54(210)	540D(H BD) 54(210)	545D(H BD) 54(210)
Nominal Max.Power	P _{max} (W)	398	402	406	410	414
Max.Power Voltage	V _{mp} (V)	28.43	28.64	28.84	29.04	29.24
Max.PowerCurrent	I _{mp} (A)	14.00	14.04	14.08	14.12	14.16
Open Circuit Voltage	V _{oc} (V)	34.60	34.80	35.00	35.20	35.40
Short CircuitCurrent	I _{sc} (A)	14.68	14.72	14.76	14.80	14.84

*NMOT:Irradiance 800W/m²,Cell Temperature 20°C,Wind Speed 1m/s.

*Power measurement tolerance ±3%.

Structure Performance

Solar Cell Type	210mm Mono-crystalline(Half Cell)
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Solar Cell Arrangement	108pcs(6×18)			
Module Dimension	1960×1303×35mm/30mm			
Weight	32.8kg(35mm)/31.5kg(30mm)			
Front Glass	2.0mm,highly transparent tempered glass with antireflective coating			
Frame	Anodized Aluminum Alloy			
Junction Box	IP68 rated			
Cable	4mm²,portrait 200mm(-)	400mm(t)	landscape	1400mm(t)
				1400mm(-)
	Lengthcan be customized			
Diode Quantity	3 pcs			
Front side/Rear side	5400pa/2400pa			
Connector	MC4 Compatible			
Per Pallet	31pcs(35mm)/36pcs(30mm)			
Per Container(40'HQ)	558pcs(35mm)/648pcs(30mm)			

Temperature Characteristics	
Nominal Module Operating Temperature	44±2℃
Temperature Coefficient (Isc)	+0.048%
Temperature Coefficient (Voc)	-0.26%
Temperature Coefficient (Pmax)	-0.34%

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

Application Scenarios:

Large-scale solar farms
Commercial and industrial rooftops
High-efficiency ground-mounted solar installations
Projects requiring reliable, high-output solar energy solutions



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