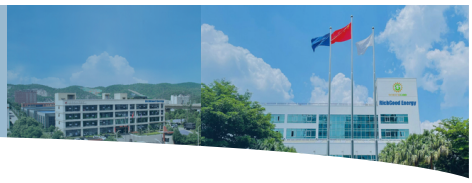
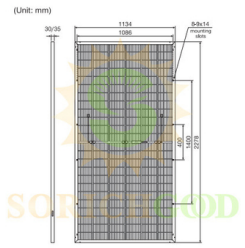


PB535 182mm Monocrystalline Silicon Panels for Large-Scale Commercial Solar Installations

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: PB535
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



LS-182 P-type Bifacial Module 535W-550W

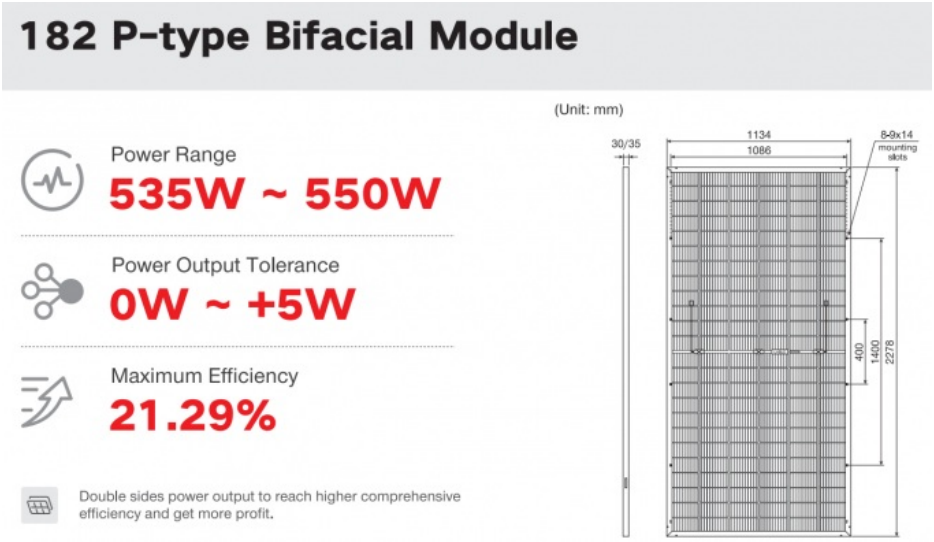
Product Specification

- Power Range: 535W ~ 550W
- Maximum Efficiency: 21.29%
- Module Dimension: 2278×1134×35mm
- Weight: 32.3kg (35mm Frame) / 31.2kg (30mm Frame)
- Front/Rear Glass: 2.0mm Tempered With Anti-reflective Coating
- Temperature Coefficient (Pmax): -0.34%
- Nominal Operating Temperature: 44±2°C
- Maximum System Voltage: 1500V DC
- Highlight: **182mm monocrystalline silicon panels**, **182mm monocrystalline silicon solar panels**, **commercial monocrystalline silicon panels**

Our Product Introduction

Product Description

PB535 182mm Monocrystalline Silicon Panels for Large-Scale Commercial Solar Installations



Product Description:

The 182 P-type Bifacial Module offers a robust power range of 535W to 550W, ensuring high efficiency and reliable performance. With an impressive maximum efficiency of 21.29%, this module is designed to deliver superior energy output from both sides, maximizing comprehensive efficiency for your solar energy systems. Its innovative structure includes 144 pieces of 182mm mono-crystalline half cells arranged in a 6x24 configuration, housed within a durable anodized aluminum alloy frame. The 2.0mm thick, highly transparent tempered glass with anti-reflective coating further enhances the module's ability to absorb sunlight from all angles, boosting energy generation.

Electrical Performance Parameters |STC					
Model Type		535D(HBD) 72(182)	540D(HBD) 72(182)	545D(HBD) 72(182)	550D(HBD) 72(182)
Nominal Max.Power	Pmax(W)	535	540	545	550
Max.Power Voltage	Vmp(V)	41.45	41.61	41.77	41.93
Max.Power Current	Imp(A)	12.91	12.98	13.05	13.12
Open Circuit Voltage	Voc(V)	49.40	49.52	49.64	49.78
Short Circuit Current	Isc(A)	13.80	13.87	13.94	14.01
Module Efficiency	(%)	20.71	20.90	21.10	21.29
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		535D(HBD) 72(182)	540D(HBD) 72(182)	545D(HBD) 72(182)	550D(HBD) 72(182)
Nominal Max.Power	Pmax(W)	405	408	411	414
Max.Power Voltage	Vmp(V)	38.78	38.88	39.00	39.13
Max.Power Current	Imp(A)	10.42	10.47	10.52	10.57
Open Circuit Voltage	Voc(V)	47.18	47.37	47.56	47.75
Short CircuitCurrent	Isc(A)	11.15	11.21	11.26	11.31
·NMOT:Irradiance 800W/m²,Cell Temperature 20°C,Wind Speed 1m/s. ·Power measurement tolerance ±3%.					

Structure Performance	
Solar Cell Type	182mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	144pcs(6×24)
Module Dimension	2278×1134×35mm/30mm

Weight	32.3kg(35mm)/31.2kg(30mm)
Front Glass	2.0mm,highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²,portrait 4 (()- ,landscape11) (- 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)	620pcs(35mm)/720pcs(30mm)

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

Maxium Parameters	
Working Temperature	-40~+85℃
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A

Application:

This module is ideal for large-scale commercial solar installations and utility-scale projects where space optimization and maximum output are critical. Its bifacial design makes it perfect for installations where reflective surfaces are available, such as rooftops or ground-mounted systems with light-colored surfaces, to capitalize on the additional energy generation from the rear side.

Shipping Methods:

Supports global air and sea shipping.

RICHGOOD ENERGY CO.,LTD

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