

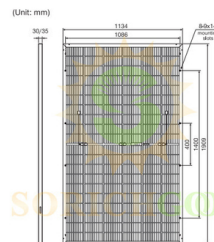


445W Optimized Monocrystalline Silicon Panels for Commercial and Utility-Scale Projects

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: PB445
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



LS-182 P-type Bifacial Module 445W-460W

Product Specification

- Power Range: 445W ~ 460W
- Power Output Tolerance: 0W ~ +5W
- Maximum Efficiency: 21.25%
- Solar Cell Type: 182mm Mono-crystalline (Half Cell)
- Module Dimension: 1909×1134×35mm/30mm
- Weight: 26.9kg(35mm)/25.7kg(30mm)
- Glass: 2.0mm, Highly Transparent Tempered Glass With Anti-reflective Coating
- Junction Box: IP68 Rated
- Highlight: commercial monocrystalline silicon panels, commercial monocrystalline silicon solar panels, ip68 monocrystalline silicon panels

Product Description

445W Optimized Monocrystalline Silicon Panels for Commercial and Utility-Scale Projects

182 P-type Bifacial Module



Power Range

445W ~ 460W



Power Output Tolerance

0W ~ +5W



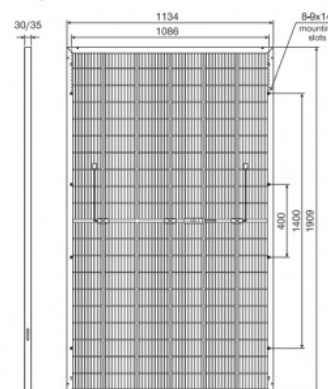
Maximum Efficiency

21.25%



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

(Unit: mm)



Product Description:

This 182 P-type Bifacial Module offers a robust solution for those seeking high power output with excellent efficiency. With a power range of 445W to 460W and a maximum efficiency of 21.25%, it is optimized for bifacial applications, allowing for additional energy generation from both sides of the panel.

Electrical Performance Parameters STC					
Model Type		445D(HB D) 60(182)	450D(H BD) 60(182)	455D(HB D) 60(182)	460D(HB D) 60(182)
Nominal Max.Power	Pmax(W)	445	450	455	460
Max.Power Voltage	Vmp(V)	34.58	34.78	34.98	35.18
Max.Power Current	Imp(A)	12.87	12.94	13.01	13.08
Open Circuit Voltage	Voc(V)	41.08	41.20	41.32	41.46
Short Circuit Current	Isc(A)	13.76	13.83	13.90	13.97
Module Efficiency	(%)	20.56	20.79	21.02	21.25
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		445D(HB D) 60(182)	450D(H BD) 60(182)	455D(HB D) 60(182)	460D(HB D) 60(182)
Nominal Max.Power	Pmax(W)	317	322	327	332
Max.Power Voltage	Vmp(V)	30.54	30.91	31.27	31.62
Max.Power Current	Imp(A)	10.38	10.42	10.46	10.50
Open Circuit Voltage	Voc(V)	38.78	38.90	39.02	39.14
Short Circuit Current	Isc(A)	11.11	11.17	11.22	11.28
*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		120pcs(6×20)			
Module Dimension		1909×1134×35mm/30mm			
Weight		26.9kg(35mm)/25.7kg(30mm)			

Front Glass	2.0mm,highly transparent tempered glass with anti-reflective coating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm ² ,portrait m(- (+))la cano 9 1 m()(- 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)	744pcs(35mm)/864pcs(30mm)

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

Maximum Parameters	
WorkingTemperature	-40~+85°C
Maximum System Voltage	1500V DC
Nominal Maximum Fuse Current	25A

Application:

Suitable for commercial and utility-scale projects where maximizing energy yield is a priority. This bifacial module is especially effective in environments with high albedo, such as deserts or snowy regions, where the additional rear-side energy generation can be fully utilized.

Shipping Methods:

Supports global air and sea shipping.



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