

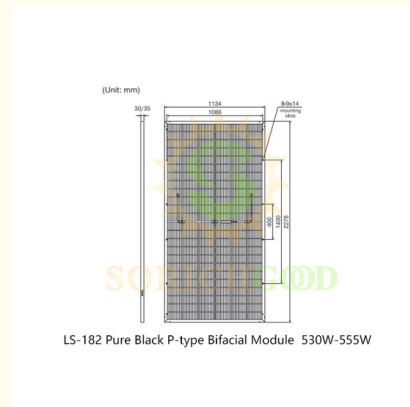


530W Monocrystalline Silicon Solar Panels For Commercial Solar Installations

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: PB530
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Power Range: 530W ~ 555W
- Maximum Efficiency: 21.48%
- Power Output Tolerance: 0W ~ +5W
- Module Efficiency: 20.52% - 21.48% (depending On The Model)
- Nominal Max Power Voltage (Vmp): 41.29V ~ 42.08V
- Short Circuit Current (Isc): 13.73A ~ 14.07A
- Nominal Max. Power (Pmax): 402W ~ 417W (NMOT Conditions)
- Maximum System Voltage: 1500V DC
- Highlight: 530W monocrystalline silicon solar panels,
555W monocrystalline silicon solar panels,
42.08V mono crystalline solar cell

Product Description

530W Durable Monocrystalline Silicon Panels for Commercial Solar Installations

182 Pure Black P-type Bifacial Module



Power Range

530W ~ 555W



Power Output Tolerance

0W ~ +5W



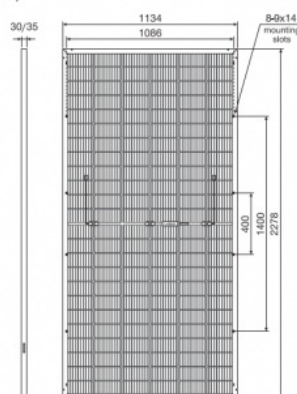
Maximum Efficiency

21.48%



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

(Unit: mm)



Product Description:

The 182 Pure Black P-type Bifacial Module represents a pinnacle of solar efficiency, offering a power range between 530W and 555W with a maximum efficiency of 21.48%. This module is designed with bifacial technology, enabling power generation from both sides, which increases overall energy yield and profitability. Its advanced structure, featuring 182mm mono-crystalline half cells arranged in a 144-cell configuration, ensures robust performance in various environmental conditions.

Electrical Performance Parameters STC							
Model Type	530D(HBD)535D(HBD) 540D(HBD) 545D(HBD)550D(HBD) 555D(HBD) 72(182) 72(182) 72(182) 72(182) 72(182) 72(182)						
Nominal Max.Power Pmax(W)	530 535 540 545 550 555						
Max.Power Voltage Vmp(V)	41.29 41.45 41.61 41.77 41.93 42.08						
Max.Power Current Imp(A)	12.84 12.91 12.98 13.05 13.12 13.19						
Open Circuit Voltage Voc(V)	49.30 49.40 49.52 49.64 49.78 49.93						
Short CircuitCurrent Isc(A)	13.73 13.80 13.87 13.94 14.01 14.07						
Module Efficiency (%)	20.52 20.71 20.90 21.10 21.29 21.48						
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		530D(H BD) 72(182)	535D(H BD) 72(182)	540D(H BD) 72(182)	545D(H BD) 72(182)	550D(H BD) 72(182)	555D(H BD) 72(182)
Nominal Max.Power	Pmax(W)	402	405	408	411	414	417
Max.Power Voltage	Vmp(V)	38.65	38.78	38.88	39.00	39.13	39.26
Max.Power Current	Imp(A)	10.38	10.42	10.47	10.52	10.57	10.63
Open Circuit Voltage	Voc(V)	47.00	47.18	47.37	47.56	47.75	47.94
Short CircuitCurrent	Isc(A)	11.10	11.15	11.21	11.26	11.31	11.36
·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 ant-reflective coating

Frame	Anodized Aluminum Alloy(Black)
Junction Box	IP68 rated
Cable	4mm ² ,portrait 200mmlandscape'4 +- Length can be customized
Diode Quantity	3 pcs
Front side/Rearside	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°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	25A

Application:

Ideal for large-scale commercial installations and solar farms, the 182 Pure Black P-type Bifacial Module is perfect for projects that demand higher energy output from limited space. The bifacial technology is especially suited for installations where reflected sunlight can be harnessed from surfaces like white rooftops, sand, or snow, further boosting power generation efficiency.

Shipping Methods:

Supports global air and sea shipping.



RICHGOOD ENERGY CO.,LTD



willa@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou