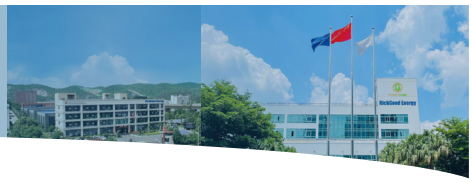
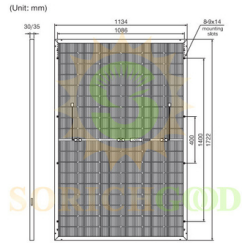


415W Monocrystalline Silicon Panels For Ground Mounted Residential Solar Systems

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: NB415
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: Per Pallet: 31pcs (35mm) / 36pcs (30mm) Per Container (40'HQ): 806pcs (35mm) / 936pcs (30mm)
- Payment Terms: T/T



LS-182 N-TopCon Bifacial Module 415W-430W

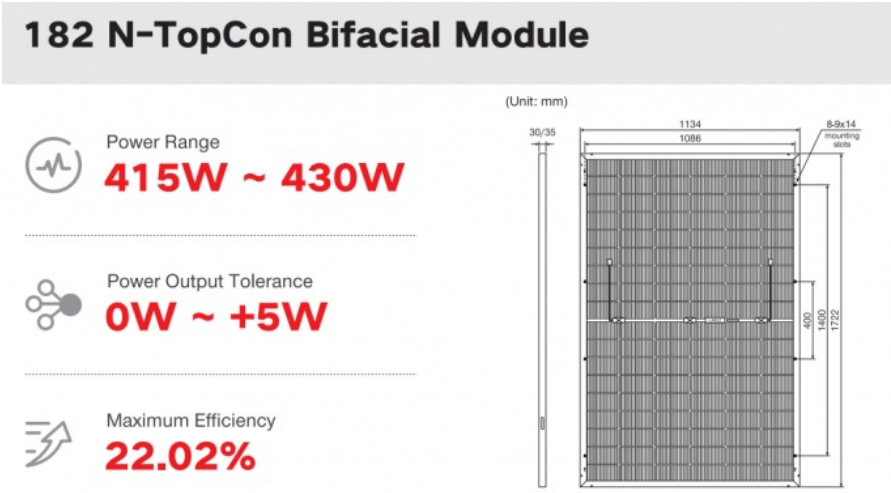
Product Specification

- Solar Cell Type: 182mm N-TopCon Mono Cell (Half Cell)
- Module Dimensions: 1722×1134×35mm/30mm
- Weight: 24.1kg (35mm) / 23.4kg (30mm)
- Front Glass: 2.0mm, Highly Transparent Tempered Glass With Anti-reflective Coating
- Frame: Anodized Aluminum Alloy
- Junction Box: IP68 Rated
- Connector: MC4 Compatible
- Maximum Efficiency: 22.02%
- Highlight: **415W Monocrystalline Silicon Panels**, **IP68 Monocrystalline Silicon Panels**, **Anodized Aluminum Alloy monocrystalline silicon solar**

Our Product Introduction

Product Description

415W Energy- Monocrystalline Silicon Panels for Ground-Mounted and Residential Solar Systems



Product Description:

The 182 N-TopCon Bifacial Module offers an impressive power range from 415W to 430W, with a power output tolerance of 0W to +5W. This module features a high maximum efficiency of 22.02%, making it an excellent choice for high-performance solar energy systems. The bifacial design allows for energy generation from both sides of the panel, significantly increasing overall energy yield, especially in installations with reflective surfaces.

Electrical Performance Parameters |STC					
Model Type		415C(HBD) 54(182	420C(HBD) 54(182)	425C(HBD) 54(182)	430C(HBD) 54(182)
Nominal Max,Power	Pmax(W)	415	420	425	430
Max.Power Voltage	Vmp(V	31.18	31.42	31.65	31.88
Max.Power Current	Imp(A)	13.31	13.37	13.43	13.49
Open Circuit Voltage	VocV)	36.77	36.97	37.17	37.37
Short Circuit Current	Isc(A)	14.55	14.61	14.67	14.73
Module Efficiency	(%)	21.25	21.51	21.76	22.02
Power Output Tolerance	(W)		0-+5W		
*STC:Iradiance 1000W/m², Cell Temperature 25°C,Air Mass AM1.5. ·Power measurement tolerance ±3%.					
Electrical Performance Parameters |NMOT					
Model Type		415C(HBD) 54(182)	420C(HBD) 54(182)	425C(HBD) 54(182)	430C(HBD) 54(182)
Nominal Max.Power	Pmax W)	311	315	319	323
Max.Power Voltage	VmpV)	29.41	29.61	29.82	30.02
Max.PowerCurrent	Imp(A)	10.58	10.64	10.70	10.76
Open Circuit Voltage	Voc(V)	34.30	34.49	34.68	34.87
Short Circuit Current	Isc(A)	11.80	11.85	11.90	11.95
*NMOT:Irradiance 800W/m²,Cell Temperature 20°C,Wind Speed 1m/s. 'Power measurement tolerance ±3%.					
Structure Performance					
Solar Cell Type	182mm N-TopCon Mono Cell(Half Cell)				
Solar Cell Arrangement	108pcs(6×18)				
Module Dimension	1722×1134×35mm/30mm				
Weight	24.1kg(35mm)/23.4kg(30mm)				

Front Glass	2.0mm,highly transparent tempered glass with anti-reflectivecoating
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
Cable	4mm²,portrait -+)) .landscape 1 (+()- Length can 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)	806pcs(35mm)/936pcs(30mm)

Temperature Characteristics	
Nominal Module OperatingTemperature	44±2℃
Temperature Coefficient (Isc)	+0.043%
Temperature Coefficient (Voc)	-0.25%
Temperature Coefficient (Pmax)	-0.30%

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

Application:

This bifacial module is ideal for ground-mounted solar farms, commercial rooftop installations, and residential applications where space optimization and maximum energy generation are crucial. Its robust construction and advanced cell technology ensure reliable performance in a variety of environments, including areas with low light conditions.

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