

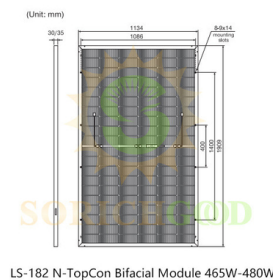


465W Bifacial Monocrystalline Silicon Panels For Environmental Conditions

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: NB465
- Minimum Order Quantity: 800 pcs
- Price: consult prices online
- Packaging Details: Per Pallet: 31pcs(35mm)/36pcs(30mm) Per Container (40'HQ): 744pcs(35mm)/864pcs(30mm)
- Payment Terms: T/T



Product Specification

- Power Range: 465W ~ 480W
- Power Output Tolerance: 0W ~ +5W
- Maximum Efficiency: 22.17%
- Maximum Power Voltage (Vmp): 34.84V ~ 35.48V (STC)
- Maximum Power Current (Imp): 13.35A ~ 13.53A (STC)
- Open Circuit Voltage (Voc): 41.47V ~ 42.07V (STC)
- Short Circuit Current (Isc): 14.43A ~ 14.61A (STC)
- Module Efficiency: 21.48% ~ 22.17% (STC)
- Highlight: **465W Monocrystalline Silicon Panels, Bifacial Monocrystalline Silicon Panels, 480W panel solar bifacial**

Product Description

465W Durable Bifacial Monocrystalline Silicon Panels for Various Environmental Conditions

182 N-TopCon Bifacial Module



Power Range

465W ~ 480W



Power Output Tolerance

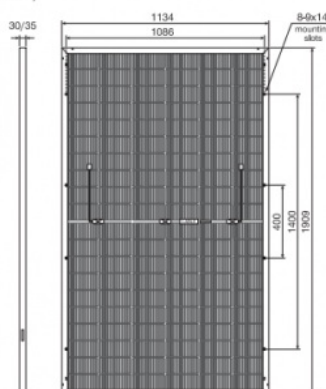
0W ~ +5W



Maximum Efficiency

22.17%

(Unit: mm)



Product Description

The 182 N-TopCon Bifacial Module offers a power range from 465W to 480W, delivering maximum efficiency of 22.17%. With advanced N-TopCon technology, this bifacial module ensures high performance on both sides, effectively capturing more sunlight and boosting energy yield. Its sturdy anodized aluminum alloy frame and 2.0mm tempered glass make it highly durable, ideal for various environmental conditions.

Electrical Performance Parameters STC					
Model Type		465C(HB D) 60(182)	470C(HB D) 60(182)	475C(HB D) 60(182)	480C(HB D) 60(182)
Nominal Max.Power	Pmax(W)	465	470	475	480
Max.Power Voltage	Vmp(V)	34.84	35.05	35.27	35.48
Max.Power Current	Imp(A)	13.35	13.41	13.47	13.53
Open Circuit Voltage	Voc(V)	41.47	41.67	41.87	42.07
ShortCircuit Current	Isc(A)	14.43	14.49	14.55	14.61
Module Efficiency	(%)	21.48	21.71	21.94	22.17
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		465C(HB D) 60(182)	470C(HB D) 60(182)	475C(HB D) 60(182)	480C(HB D) 60(182)
Nominal Max.Power	Pmax(W)	349	353	357	361
Max.Power Voltage	Vmp(V)	32.87	33.06	33.25	33.43
Max.Power Current	Imp(A)	10.62	10.68	10.74	10.80
Open CircuitVoltage	Voc(V)	38.96	39.15	39.34	39.53
Short Circuit Current	Isc(A)	11.74	11.79	11.84	11.89
·NMOT:Irradiance 800W/m²,Cell Temperature 20°C,Wind Speed 1m/s.					
·Power measurement tolerance ±3%.					
Structure Performance					
Solar Cell Type	182mm N-TopConMono Cell (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 200mm4(-0)0mm(+.landscape ((-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)	744pcs(35mm)/864pcs(30mm)

Temperature Characteristics	
Nominal Module Operating Temperature	44±2°C
Temperature Coefficient (Isc)	+0.043%
Temperature Coefficient (Voc)	-0.25%
Temperature Coefficient(Pmax)	-0.30%

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

Application

This module is best suited for large-scale solar power plants, commercial rooftops, and other installations where high efficiency and reliability are crucial. The bifacial design also makes it an excellent choice for areas with high reflectivity, such as snowy regions or surfaces near bodies of water, where both front and rear sides can contribute significantly to energy generation.

Shipping Methods

Supports global air and sea shipping.



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