

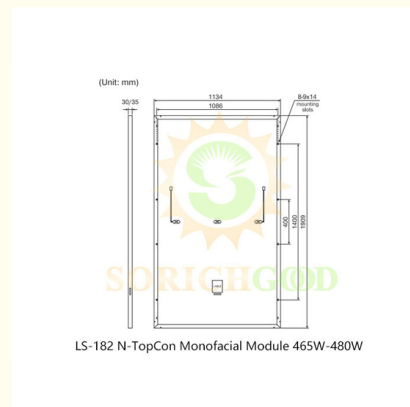


465W 182 N-TopCon Monofacial Module Monocrystalline Silicon Panels

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: M465
- Minimum Order Quantity: 806 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
- Module Efficiency: 21.48% - 22.17%
- Maximum System Voltage: 1500V DC
- Nominal Module Operating Temperature: 44±2°C
- Temperature Coefficient (Pmax): -0.30%
- Connector: MC4 Compatible
- Weight: 23.2kg (35mm) / 22.1kg (30mm)
- Front/Rear Load Capacity: 5400pa/2400pa
- Highlight: **465W Monocrystalline Silicon Panels,**
480W Monocrystalline Silicon Panels,
1500V monocrystalline cell

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Product Description

465W 182 N-TopCon Monofacial Module The Perfect Combination of Performance and Reliability

Product Description

The 182 N-TopCon Monofacial Module with a power range of 465W to 480W is an advanced solar panel solution designed for superior energy generation. With an impressive maximum efficiency of 22.17%, this module ensures high energy output even in challenging environmental conditions. The module is constructed with 182mm N-TopCon Mono Cells arranged in a 120pcs (6x20) configuration, offering enhanced performance through reduced resistance and increased power density. The robust anodized aluminum alloy frame and IP68-rated junction box ensure durability and long-term reliability.

Electrical Performance Parameters STC					
Model Type		465C(HPM)) 60(182	470C(HPM)) 60(182)	475C(HPM)) 60(182)	480C(HPM)) 60(182)
Nominal Max.Power	Pmax(W)	465	470	475	480
Max.Power Voltage	Vmp(V)	35.02	35.18	35.35	35.51
Max.Power Current	Imp(A)	13.28	13.36	13.44	13.52
Open Circuit Voltage	Voc(V)	42.18	42.34	42.50	42.67
Short CircuitCurrent	Isc(A)	14.03	14.11	14.19	14.27
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		465CXHP (M) 60(182)	470C(HPM)) 60(182)	475C(HPM)) 60(182)	480C(HPM)) 60(182)
Nominal Max.Power	Pmax(W)	350	354	358	362
Max.Power Voltage	Vmp(V)	32.96	33.15	33.34	33.52
Max.Power Current	Imp(A)	10.62	10.68	10.74	10.80
OpenCircuitVoltage	Voc(V)	40.13	40.29	40.45	40.61
Short CircuitCurrent	Isc(A)	11.35	11.42	11.49	11.56
·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	120pcs(6×20)
Module Dimension	1909×1134×35mm/30mm
Weight	23.2kg(35mm)/22.1kg(30mm)
Front Glass	3.2mm,highly transparent tempered glass with anti-reflective coating
Back Sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP68 rated
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
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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	25A

Application

Ideal for residential, commercial, and industrial rooftop installations, the 182 N-TopCon Monofacial Module is engineered to maximize energy production and efficiency. Its high output tolerance and advanced cell technology make it suitable for deployment in various geographic locations, including areas with high temperatures and low light conditions.

Shipping Methods

Supports global air and sea shipping, ensuring flexible and reliable delivery options to meet the demands of various project timelines.



RICHGOOD ENERGY CO.,LTD



willa@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou