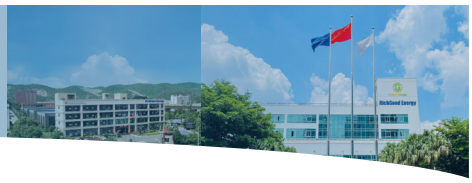
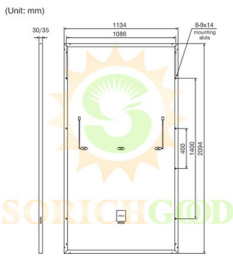


# 515W-530W 182 N-TopCon Monocrystalline Silicon Pv Module

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: M515
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



LS-182 N-TopCon Monofacial Module 515W-530W

## Product Specification

- Power Range: 515W - 530W
- Maximum Efficiency: 22.32%
- Module Dimension: 2094x1134x35mm/30mm
- Weight: 25.1kg (35mm) / 23.8kg (30mm)
- Cell Arrangement: 132pcs (6x22)
- Temperature Coefficient (Pmax): -0.30%
- Open Circuit Voltage (Voc): Up To 46.36V
- Short Circuit Current (Isc): Up To 14.33A
- Highlight: **530W monocrystalline silicon pv module**, **515W monocrystalline silicon pv module**, **46.36V mono si solar cells**

Our Product Introduction

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## Product Description

**515W 182 N-TopCon Monocrystalline Silicon Panels Durable and High-Performing Solar Solution**

**Product Description**

The 182 N-TopCon Monofacial Module offers a significant upgrade in solar power generation with its advanced N-TopCon technology. It features a power range from 515W to 530W with an impressive maximum efficiency of 22.32%. Designed with a robust anodized aluminum alloy frame and highly transparent tempered glass, this module ensures durability and superior performance even in challenging environments. The module's superior temperature characteristics and minimal power loss contribute to its high efficiency, making it an ideal choice for large-scale solar installations.

| Electrical PerformanceParameters \|STC | | | | | |
|---|---|---|---|---|---|
| Model Type | | 515C(HPM) 66(182 | 520C(HPM) 66(182) | 525C(HPM) 66(182) | 530C(HPM) 66(182) |
| Nominal Max.Power | Pmax(W) | 515 | 520 | 525 | 530 |
| Max.Power Voltage | Vmp(V) | 38.55 | 38.70 | 38.84 | 38.98 |
| Max.Power Current | Imp(A) | 13.36 | 13.44 | 13.52 | 13.60 |
| Open Circuit Voltage | Voc(V) | 46.21 | 46.26 | 46.31 | 46.36 |
| Short Circuit Current | Isc(A) | 14.09 | 14.17 | 14.25 | 14.33 |
| Module Efficiency | (%) | 21.69 | 21.90 | 22.11 | 22.32 |
| Power OutputTolerance | (W) | 0~+5W | | | |
| *STC:Irradiance 1000W/m²,Cell Temperature 25℃,Air Mass AM1.5. 'Power measurement tolerance ±3%. | | | | | |
| Electrical Performance Parameters \|NMOT | | | | | |
| Model Type | | 515C(HPM) 66(182) | 520C(HPM) 66(182) | 525C[(HPM) 66(182) | 530C(HPM) 66(182) |
| Nominal Max.Power | Pmax(W) | 387 | 391 | 395 | 399 |
| Max.Power Voltage | Vmp(V) | 36.41 | 36.58 | 36.75 | 36.92 |
| Max.PowerCurrent | Imp(A) | 10.63 | 10.69 | 10.75 | 10.81 |
| Open Circult Voltage | Voc(V) | 43.87 | 44.01 | 44.15 | 44.29 |
| Short Circuit Current | Isc(A) | 11.42 | 11.49 | 11.56 | 11.63 |
| *NMOT:Irradiance 800W/m²,Cell Temperature 20°℃,Wind Speed 1m/s. *Power measurement tolerance ±3%. | | | | | |

| Structure Performance | |
|---|---|
| Solar Cell Type | 182mm N-TopCon Mono Cell(Half Cell) |
| Solar Cell Arrangement | 132pcs(6×22) |
| Module Dimension | 2094×1134×35mm/30mm |
| Weight | 25.1kg(35mm)/23.8kg(30mm) |
| Front Glass | 3.2mm,highly transparent tempered glass with anti-reflective coating |
| Back Sheet | White |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP68 rated |
| Front side/Rear side | 5400pa/2400pa |
| Connector | MC4 Compatible |
| Per Pallet | 31pcs(35mm)/36pcs(30mm) |
| Per Container(40'HQ) | 682pcs(35mm)/792pcs(30mm) |

| Temperature Characteristics | |
|---|---|
| Nominal ModuleOperating Temperature | 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 | 25A |

## Application

This module is perfect for residential, commercial, and industrial solar power projects. Its high efficiency and power output make it ideal for installations where space is limited but high power is required. The robust design ensures long-term reliability, making it suitable for both rooftop and ground-mounted systems.

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