



# The 565-585W N-Type Monocrystalline Silicon Panels for High-Efficiency Solar **Energy**

# **Basic Information**

. Place of Origin: China TP . Brand Name: CE · Certification: Model Number: PV565 Minimum Order Quantity: 300 pcs

• Price: consult prices online consult online Packaging Details:

• Payment Terms: T/T



# **Product Specification**

585W Maximum Power (Pmax):

• Module Efficiency: 22.65% (STC)

 Maximum Power Voltage 42.52V

(Vmp):

 Maximum Power Current 13.76A

(Imp):

• Open-circuit Voltage (Voc): 51.16V • Short-circuit Current (Isc): 14.55A

• Highlight: 585w monocrystalline silicon panels,

585w monocrystalline silicon solar panels

The 565-585W N-Type Monocrystalline Silicon Panels for High-Efficiency Solar Energy

# 565-585Watt N-Type **MONO-FACIAL MODULE**

# Positive power tolerance of 0-+3%

IEC61215(2016), IEC61730(2016) IS09001:2015:Quality Management System

ISO 14001:2015: Environment Management System

IS045001:2018

 $Occupational \, Health \, and \, Safety \, Management \, Systems$ 



#### **SMBB Technology**

Betterlighttrapping and current collection to improve module power output andreliability



# HOT Hot2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LEŤÍD.



#### **PID**Resistance

 ${\it Excellent Anti-PIO performance guarantee} via optimized \, mass-production$ process and materials control.



#### **Enhanced Mechanical Load**

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



### **Durability Against Extreme Environmental Conditions**

High salt mist and ammoniares is tance.

#### **Product Description**

The 565-585Watt N-Type Mono-crystalline Solar Module is designed with advanced SMBB and Hot 2.0 technology to ensure improved performance, reliability, and durability. This module delivers up to 585W maximum power and features excellent PID resistance, enhanced mechanical load capacity, and extreme environmental condition resistance. It is suitable for a wide range of applications, providing reliable energy output even in high salt mist and ammonia environments. With its positive power tolerance of 0~+3%, the N-type module guarantees superior energy yield and lower degradation, making it ideal for large-scale solar installations.

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|-----------------------------------|-------------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| SPECIFICATIONS                    |                   |       |         |       |         |       |         |       |         |       |
|                                   | SK-72M-           |       | SK-72M- |       | SK-72M- |       | SK-72M- |       | SK-72M- |       |
| Module Type                       | 565HC             |       | 570HC   |       | 575HC   |       | 580HC   |       | 585HC   |       |
|                                   | STC               | NOCT  | STC     | NOCT  | STC     | NOCT  | STC     | NOCT  | STC     | NOCT  |
| MaximumPower(Pm                   | 565W              | 425W  | 570W    | 429W  | 575W    | 432W  | 580W    | 436W  | 585W    | 440W  |
| ax)                               | p                 | р     | p       | þ     | þ       | p     | p       | р     | р       | p     |
| Maximum                           | 41.92             | 39.38 | 42.07   | 39.51 | 42.22   | 39.60 | 42.37   | 39.69 | 42.52   | 39.81 |
| PowerVoltage(Vmp)                 | V                 | V     | V       | V     | V       | V     | V       | V     | V       | V     |
| Maximum Power                     | 13.48             | 10.79 | 13.SS   | 10.85 | 13.62   | 10.92 | 13.69   | 10.99 | 13.76   | 11.05 |
| Current(1mp)                      | Α                 | Α     | A       | A     | A       | Α     | Α       | Α     | Α       | Α     |
| Open-circuit                      | 50.60             | 48.06 | 50.74   | 48.20 | 50.88   | 48.33 | 51.02   | 48.46 | 51.16   | 48.60 |
| Voltage(Voc)                      | V                 | V     | V       | V     | V       | V     | V       | V     | V       | V     |
| Short-                            | 14.23             | 11.49 | 14.31   | 11.55 | 14.39   | 11.62 | 14.47   | 11.68 | 14.55   | 11.75 |
| circuitCurrent(lsc)               | Α                 | A     | A       | A     | A       | Α     | Α       | Α     | Α       | A     |
| Module Efficiency<br>STC(%)       | 21.87             |       | 22.07   |       | 22.26   |       | 22.45   |       | 22.65   |       |
| Operating<br>Temperature(C)       | -40'°C-+85°C      |       |         |       |         |       |         |       |         |       |
| Maximum System<br>Voltage         | 1000/1500VDC(IEC) |       |         |       |         |       |         |       |         |       |
| MaximumSeriesFus<br>e Rating      | 25A               |       |         |       |         |       |         |       |         |       |
| Power Tolerance                   | 0~+3%             |       |         |       |         |       |         |       |         |       |
| Temperature<br>CoefficientsofPmax | -0.29%/C          |       |         |       |         |       |         |       |         |       |
| Temperature<br>CoefficientsofVoc  | -0.25%/C          |       |         |       |         |       |         |       |         |       |

| Temperature<br>CoefficientsofLsc            | 0.045%/C  |
|---|---|
| NominalOpeatingCe<br>II<br>Temperature(NOCT |   |
| STC.1000W/miradia                           | nce,25°Cmoduletemperature,AM1.5gSpecturmaccordingtoEN60904- |

The N-Type Mono-crystalline Solar Module is widely used in utility-scale solar power plants, commercial rooftops, and groundmounted solar farms. Its durability and high energy yield make it suitable for environments with extreme weather conditions, such as coastal or industrial areas prone to high salt mist and ammonia exposure. This solar module is a reliable choice for large-scale projects, ensuring consistent energy production with minimal degradation over time.

### **Shipping Methods**

Supports global air and sea shipping.







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