

# SS150-36M

## 150W Monocrystalline Solar Panel

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### Key Features

Sleek design and a durable frame, the 150 Watt 12 Volt Monocrystalline Panel provides you with the highest efficiency per area and is the perfect item for off-grid applications.

- High module conversion efficiency
- Top ranked PTC rating
- Quick and inexpensive mounting
- 100% Testing on all modules
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### Potential Uses

The 150 Watt Monocrystalline Panel can be used in various off-grid applications that include 12 and 24 volts arrays, water pumping systems, signaling systems and other off-grid applications.



Power Output Warranty



Material and Workmanship Warranty

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## 150W Monocrystalline Solar Panel

### Electrical Data

Maximum Power at STC*	150W
Optimum Operating Voltage ( $V_{mp}$ )	18.5 V
Optimum Operating Current ( $I_{mp}$ )	8,65 A
Open Circuit Voltage ( $V_{oc}$ )	22.5 V
Short Circuit Voltage ( $I_{sc}$ )	9.14 A
Module Efficiency	15.47%
Maximum System Voltage	1000V
Series Fuse	15 A

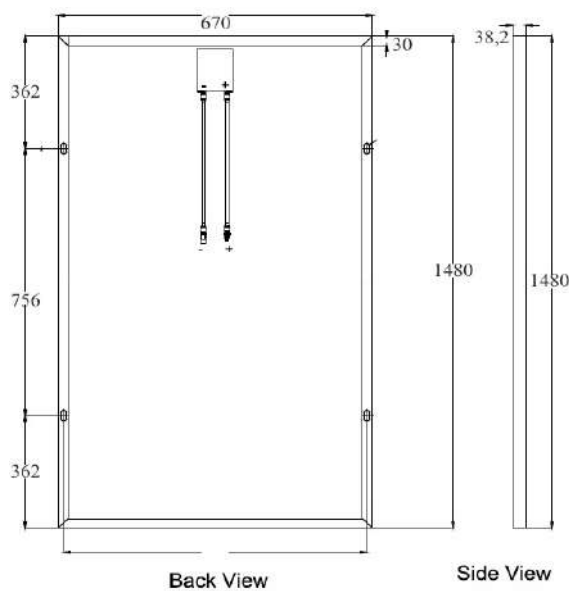
### Thermal Characteristics

Operating Module Temperature	-40°C to +80°C
Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.44%/°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Isc	0.04%/°C

### Junction Box

IP Rating	IP 65
Diode Type	HY 10SQ050
Number of Diodes	2 Diode(s)
Output Cables	12 AWG (2.10 ft long)

### Module Diagram



### Mechanical Data

Solar Cell Type	Monocrystalline
Number of Cells	36 (4 x 9)
Dimensions	(1480x670x35mm)
Weight	(12 kg)
Front Glass	Tempered Glass 0.13 in (3.2 mm)
Frame	Anodized Aluminium Alloy
Connectors	MC4 Connectors
Fire Rating	Class C

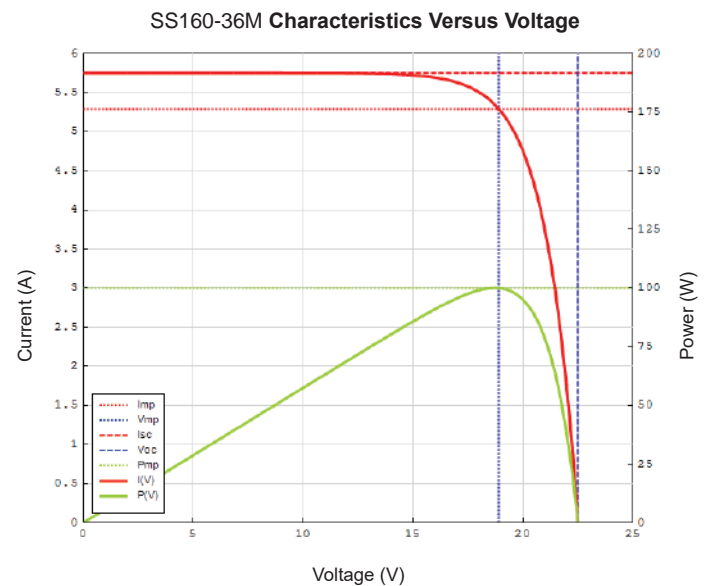
### MC4 Connectors

Rated Current	30A
Maximum Voltage	1000VDC
Maximum AWG Size Range	10 AWG
Temperature Range	-40°F to 194°F
IP Rating	IP 67

### Certifications



### IV-Curve



\*All specifications and data described in this data sheet are tested under Standard Test Conditions (STC - Irradiance: 1000W/m<sup>2</sup>, Temperature: 25°C, Air Mass: 1.5) and may deviate marginally from actual values.