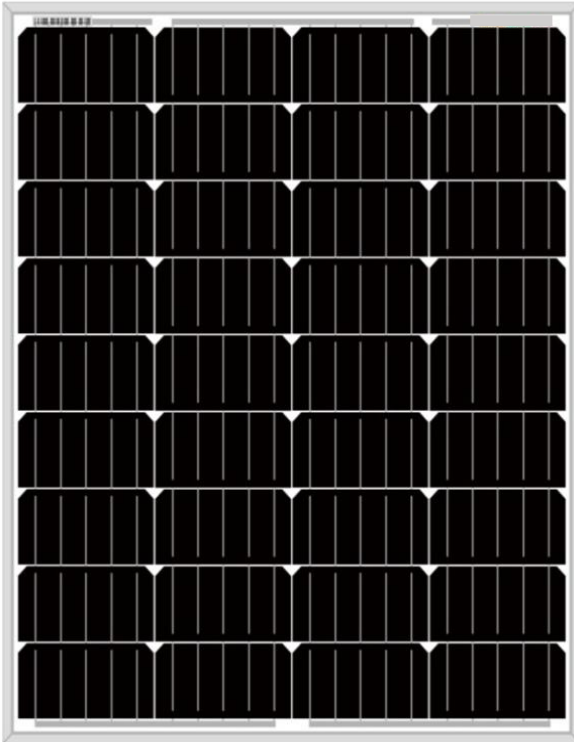




SS-M-100W Series



Quality Product

All Manufactured modules are tested 100% by EL (Electroluminescence) during the Production Process & Free from micro cracks.

Our high-performance modules are highly efficient, reliable and provide optimal output.

The company manufactures solar modules in compliance with global standard including IEC 61215, 61730-1, 61730-2, 61701, UL 1703, UL 61730.

High Efficiency .

High Module efficiency is obtaining top performance even in diffused light conditions.

We are leaders in providing our customers with maximum sunlight conversion.

Application Possibilities

Residential and Commercial rooftops, Car ports, Solar Farming, Balconies, Awnings, Street lights, Fences, and Canopies.

Our Team

We have a team of qualified experts and engineers making sure that modules produce maximum power. We pride ourselves in caring for each individual customer needs with detailed attention. Our end goal is to give a highly efficient product with exceptional customer service.

Warranty

Our product is durable and has 10 years performance warranty. Integrated manufacturing of cells & modules in production line guarantees optimum performance.

US OFFICE:

Sonali Energies USA LLC
111 Charlotte Place Suite 101A
Englewood Cliffs, NJ 07632
Office Tel: 201-568-1424





SS-M-100 Series

Electric Performance Parameter

Model	SS-M-100
Nominal Maximum Power (Pmax/W)	100
Optimum Operating Voltage (Vmp/V)	17.2
Optimum Operating Current (Imp/A)	5.82
Open Circuit Voltage (Voc/V)	21.8
Short Circuit Current (Isc/A)	6.18
Module Efficiency (%)	14.30%

- * Measurement Power Tolerance on Power 0 / +5W
- * Under Standard Test Conditions (STC) of irradiance of 1000W/m²
- * Normal Operating cell Temperature (NOCT) of irradiance of 800W/m², 46± 2° C
- * Spectrum AM 1.5 and cell temperature of 25 °C
- * Maximum System Voltage: 1000v IEC/UL ; Fusing Current:-15A

Mechanical Parameter

Module Dimensions	780x675x33mm/ 30.71x26.57x1.3in
Weight	7 Kg / 15.43 lbs
Cell Type (Mono-crystalline)	156.75x80 mm
No Of Cell	36 (4 X 9)
Junction Box	IP67 Rated
Solar Cable (4mm ² -12AWG)	750mm (29.53 inch) length
Connectors	Mc4 compatible or IP67 rated
Glass (Tempered & Low Iron)	3.2mm (0.125in)
Encapsulate	EVA
Back Cover	Composite Sheet
Frame	Anodized Aluminum Alloy

Temperature Coefficient

Coefficient of Current	+0.04% /°C
Coefficient of Voltage	-0.32% /°C
Coefficient of Power	-0.41% /°C

Tested Operating Conditions

Temperature Cycling Range	-40°C to 85°C
Humidity Freeze, Damp Heat	85% RH

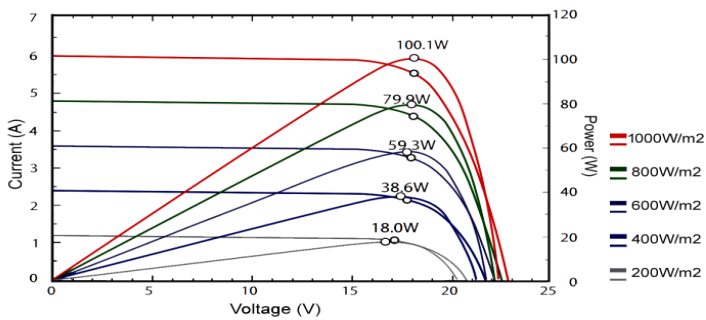
Material and Workmanship Warranty

Product Warranty	5 Years
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Performance Warranty

Solar Module	10 years
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IV Curve



Module Drawing

