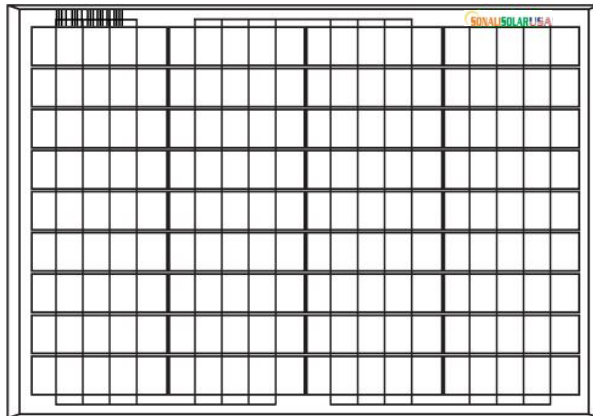
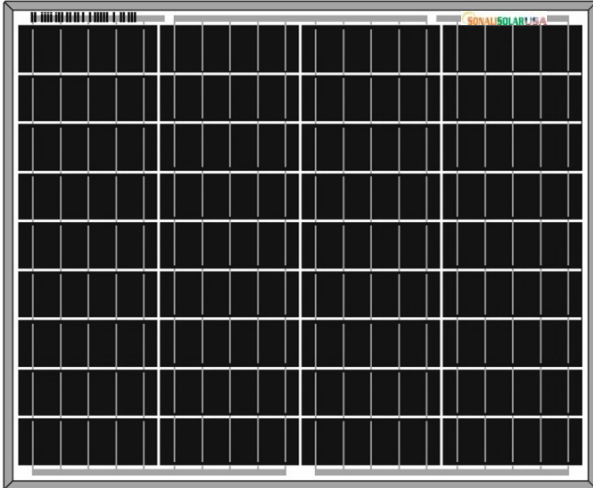




SS-M-50



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 MNRE, IEC 61215, 61730-1, 61730-2, 61701, UL 1703, UL 61730, ISO 9001:2008 & ISO 14001:2004 & 18001:2007.

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.

Guarantee

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

US OFFICE:

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





SS-M-50

Electric Performance Parameter

Model	SS-M-50
Nominal Maximum Power (Pmax/W)	50
Optimum Operating Voltage (Vmp/V)	18.66
Optimum Operating Current (Imp/A)	2.68
Open Circuit Voltage (Voc/V)	22.71
Short Circuit Current (Isc/A)	2.89
Module Efficiency	15.74%

- * Under STC of irradiance of 1000W/m²
- * NOCT of irradiance of 800W/m², 43± 2 °C
- * Spectrum AM 1.5 and cell temperature of 25 °C
- * Measurement Power Tolerance 0 / +5%
- * Maximum System Voltage: 1000v IEC/UL

Mechanical Parameter

Module Dimensions	675 x 480 x 30 mm / 26.57 x 18.89 x 1.18 in
Weight	3.8 kgs / 8.38 lbs
Cell Size (Monocrystalline)	156.75x46 mm / 6.14x1.81 in
No Of Cell	36 (4 X 9)
Front Glass (Tempered & Low Iron)	3.2 mm (0.125in)
Encapsulate	EVA
Back Cover (White Color)	Composite Sheet
Frame (Silver Color)	Anodized Aluminum Alloy
Junction Box	IP65 Rated
Solar Cable (2.5mm ²)	400mm (15.75 inch) length
Connectors	Mc4 compatible & IP67
Max Current (A)	10

Temperature Coefficient

Coefficient of Current	+0.061% /°C
Coefficient of Voltage	-0.34% /°C
Coefficient of Power	-0.42% /°C

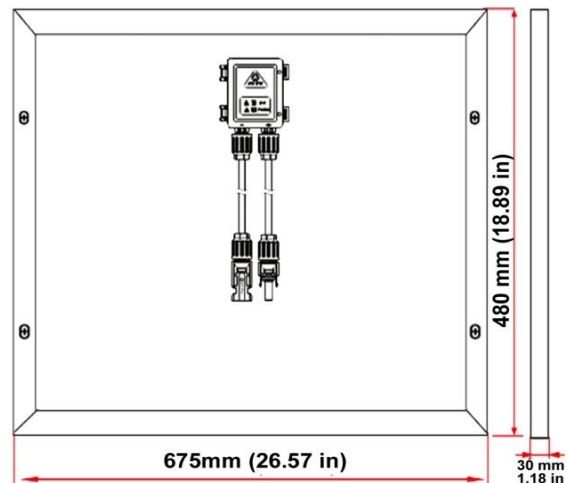
Tested Operating Conditions

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

Product Warranty

Product Warranty	5 Years
Linear Performance Warranty	10 Years

Module Drawing



IV Curve

