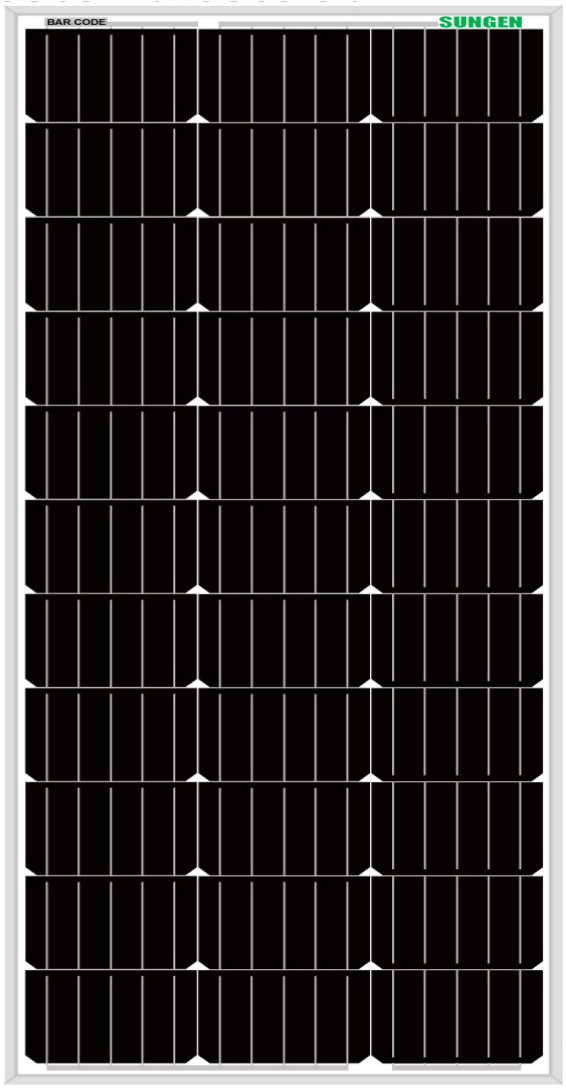
SUNGEN

SG-M-100 W 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 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 25 years performance warranty. Integrated manufacturing of cells & modules in production line guarantees optimum performance.

US OFFICE:
Sungen Power LLC
98 Walnut Street,
Nutley, NJ 07110
Office Tel: 201-568-1424

www.sungenpowerllc.com

SUNGEN

SG-M-100 W Series

Electric Performance Parameter

Model	SG-M-100 W
Nominal Maximum Power (Pmax/W)	100
Optimum Operating Voltage (Vmp/V)	17.9
Optimum Operating Current (Imp/A)	5.72
Open Circuit Voltage (Voc/V)	21.6
Short Circuit Current (Isc/A)	6.24

* Measurement Power Tolerance on Power 0 / +%
* Under Standard Test Conditions (STC) of irradiance of 1000W/m2
* Spectrum AM 1.5 and cell temperature of 25 ˚C
* Normal Operating cell Temperature (NOCT) of irradiance of 800W/m2, 43± 2° C

Mechanical Parameter

Module Dimensions	1074 X 498 X 33 mm / 42.28 X 19.60 X 1.30 inch
Weight	7.5 kgs / 16.5lbs
Cell Size (Monocrystalline)	156x102 mm / 6.1x4 inch
No Of Cell	33 (3 X 11)
Junction Box	PV-LH0801/ IP65 with Bypass diodes
Solar Cable	900mm (35.43 inch) length with 4mm²
Connectors	Mc4 compatible or IP67 rated
Glass (Tempered & Low Iron)	3.2mm (0.13in)
Encapsulate	EVA
Back Cover	Composite Sheet
Frame	Anodized Aluminum Alloy

Temperature Coefficient

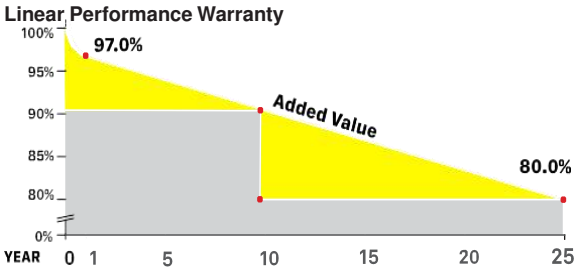
Coefficient of Current	+0.035% /K
Coefficient of Voltage	-0.351% /K
Coefficient of Power	-0.47% /K

Tested Operating Conditions

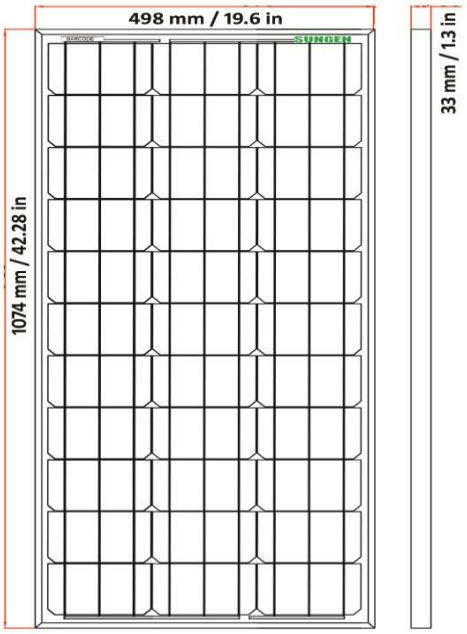
Temperature Cycling Range	-40˚C to 85˚C
Humidity Freeze, Damp Heat	85% RH

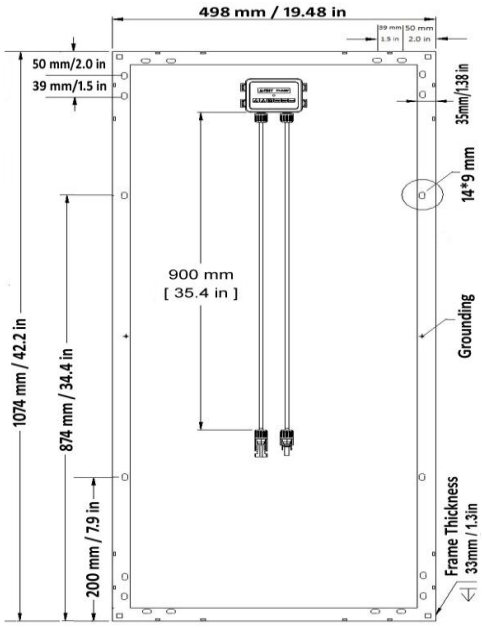
Product Warranty

Product Warranty	12 Years
Performance Warranty	First 10 Years up to 90%, Next 15 years up to 80%

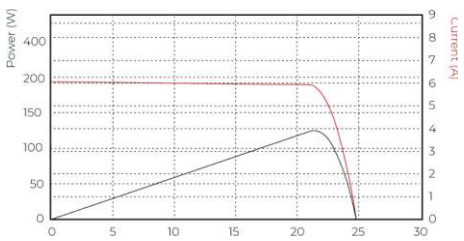


Module Drawing





IV Curve



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