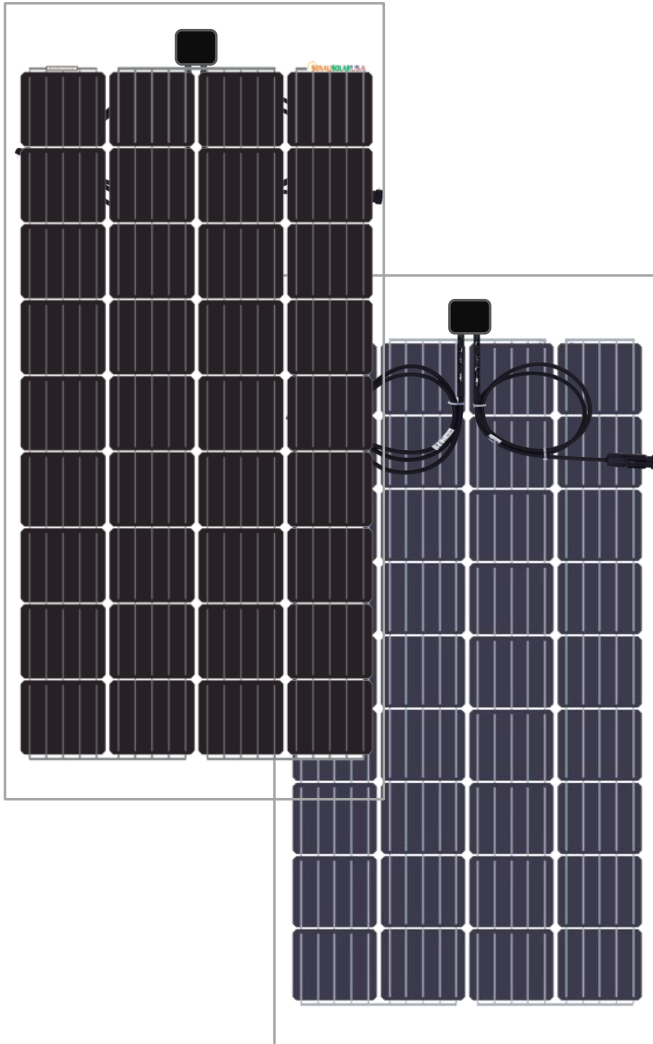




SS-M-160W Bifacial



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-160W Bifacial

Electric Performance Parameter	Front STC	Rear STC	BSTC
Model	SS-M-160W		
Nominal Maximum Power (Pmax/W)	160	144	203
Optimum Operating Voltage (Vmp/V)	19.0	19.0	19.0
Optimum Operating Current (Imp/A)	8.52	7.58	10.68
Open Circuit Voltage (Voc/V)	23.3	23.2	23.5
Short Circuit Current (Isc/A)	8.87	7.98	11.3
Tolerances (%)	-1.5/3	-3/3	-3/3
*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			

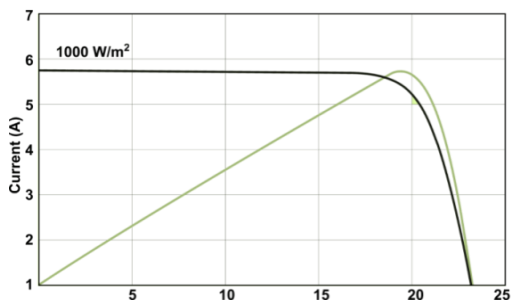
Mechanical Parameter	
Module Dimensions	1613 x 762 x 7.2 mm / 63.50 x 30.0 x 0.28 in
Weight	20.6 kgs / 45.42 lbs
Cell Size (Monocrystalline)	158.75x158.75 mm / 6.25x6.25 in
No Of Cell	36 (4 X 9)
Junction Box	IP67, With 2 Bypass diodes
Solar Cable Length (12AWG)	900mm (35.43 inch)
Connectors	MC4
Front Glass (Tempered & Low Iron)	2.0 mm (0.08 in)
Encapsulate	EVA
Back Glass (Tempered & Low Iron)	2.0 mm (0.08 in)
Frame	Frameless
Impact Resistance	25mm Hail at 23 m/s
Fuse Rating	20 A

Temperature Coefficient	
Coefficient of Current	+0.044% /°C
Coefficient of Voltage	-0.284% /°C
Coefficient of Power	-0.415% /°C

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

Warranty	
Product Warranty	5 Years
Linear Performance Warranty	10 Year

IV Curve



Module Drawing

