



100W Super Sleek Solar Kit



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.

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.

Application Possibilities

Residential and Commercial rooftops:-



Awning & Canopies:-



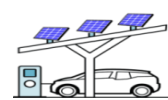
Solar Farming:-



Street lights:-



Car ports:-



Solar Mobile Van:-



Balconies:-



Solar Boat:-



Fences:-



Solar Kit:-



US OFFICE:

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





100W Super Sleek Solar Kit

Electric Performance Parameter

Model	SS-M-100
Nominal Maximum Power (Pmax/W)	100
Optimum Operating Voltage (Vmp/V)	18.64
Optimum Operating Current (Imp/A)	5.36
Open Circuit Voltage (Voc/V)	22.23
Short Circuit Current (Isc/A)	5.79
Temperature Cycling Range	-40°C to 85°C
Coefficient of Current	+0.035% /K
Coefficient of Voltage	-0.351% /K
Coefficient of Power	-0.47% /K

* Measurement Power Tolerance on Power 0 / +%

* STC : irradiance of 1000W/m² ; * Spectrum AM 1.5 and cell temperature of 25 °C

* NOCT of irradiance of 800W/m², 20± 2° C

Mechanical Parameter

Module Dimensions	1716 X 370 X 35 mm / 67.57 X 14.57 X 1.38 inch
Weight	7 kgs / 15.43 lbs
Cell Size (Monocrystalline)	156.75x87 mm / 6.17x3.42 inch
No Of Cell	36 (2 X 18)
Junction Box	PV-LH0801/ IP65 with diodes
Solar Cable (4mm ²)	900mm (35.43 in) length 12AWB
Connectors	Mc4 compatible or IP67 rated
Glass (Tempered & Low Iron)	3.2mm (0.13in)
Frame	Anodized Aluminum Alloy

Extra Cable - Connector

* 12 Ft 10AWG Tray Cable with one end MC4+

* 12 Ft 10AWG Tray Cable with one end MC4-

* 12 Ft 10AWG Tray Cable with one end Ring Terminal

* 12 Ft 10AWG Tray Cable with one end Ring Terminal

Marine batteries typically have two posts, a 3/8"-16 threaded post for the positive terminal, and a 5/16"-18 threaded post for the negative terminal. It is 10 AWG.

Charge Controller (PWM)

Battery Voltage	12 V/24 V Auto
Charge /Discharge Current	10 Amp
Float Charge	13.7 V
Discharge Stop	10.7 V
Discharge Reconnect	12.6 V

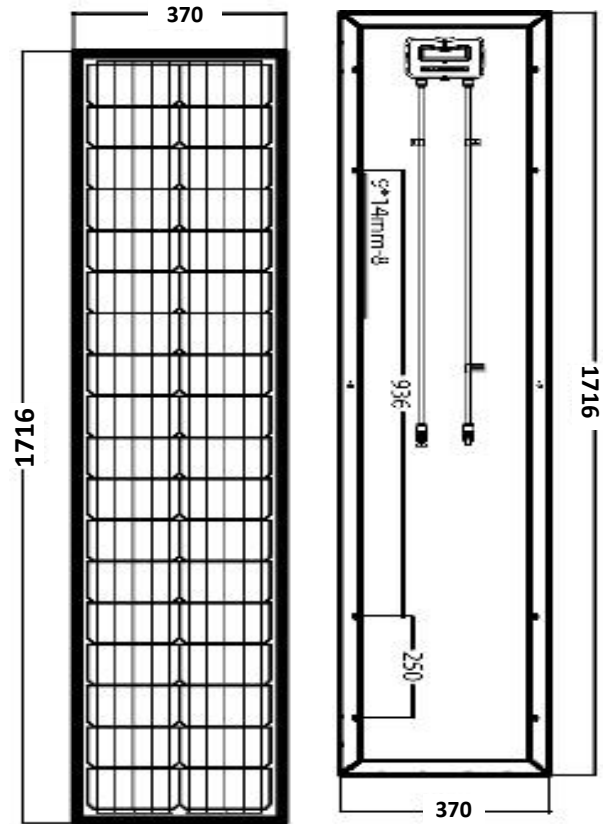
Mounting Bracket

With Clamps and Nylok screws No. 10 SS x 20mm

Material & Workmanship Guarantee

For Solar Module	12 years
For Charge Controller	1 Year
For Cable & Connector, Fuses, Mounts & Brackets, etc Accessories	1 Year

Module Drawing



IV Curve

