

**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 Energiees USA LLC  
 111 Charlotte Place Suite 101A  
 Englewood Cliffs, NJ 07632  
 Office Tel: 201-568-1424  
 info@sonalisolar.com

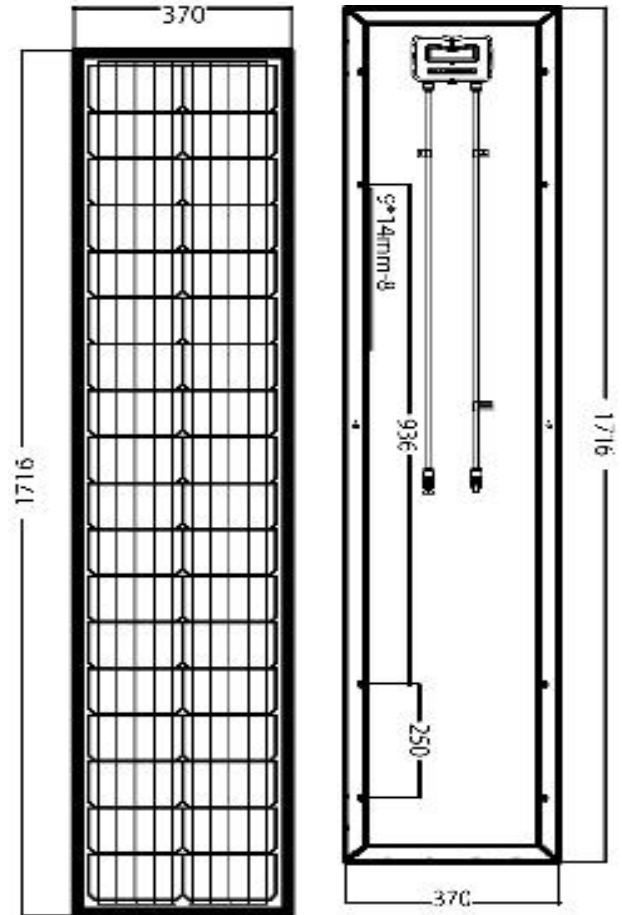


**Electric Performance Parameter**

|                                   |          |
|-----------------------------------|----------|
| 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     |

- \* Measurement Power Tolerance on Power 0 / +%
- \* Spectrum AM 1.5 and cell temperature of 25 °C
- \* Under Standard Test Conditions (STC) of irradiance of 1000W/m2
- \* Normal Operating cell Temperature (NOCT) of irradiance of 800W/m2, 20± 2° C

**Module Drawing**



**Mechanical Parameter**

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| Module Dimensions               | 1716 X 370 X 35 mm /<br>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 <sup>2</sup> ) | 900mm (35.43 in) length 12AWB                     |
| Connectors                      | Mc4 compatible or IP67 rated                      |
| Glass (Tempered & Low Iron)     | 3.2mm (0.13in)                                    |
| Frame                           | Anodized Aluminum Alloy                           |
| Encapsulate                     | EVA                                               |
| Back Cover                      | Composite Sheet                                   |

**Temperature Coefficient**

|                        |             |
|------------------------|-------------|
| Coefficient of Current | +0.035% /°C |
| Coefficient of Voltage | -0.351% /°C |
| Coefficient of Power   | -0.47% /°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 |
|------------------|---------|

**Performance Warranty**

|              |          |
|--------------|----------|
| Solar Module | 10 years |
|--------------|----------|

**IV Curve**

