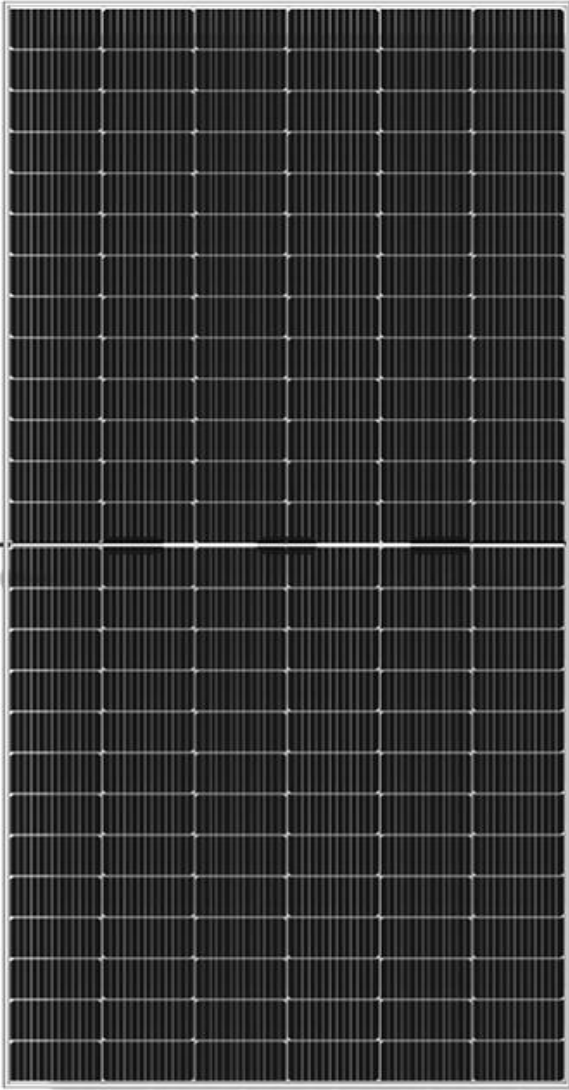




SS-M-600 to 630 Series



#### 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:

Sonali Energies 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-600	SS-M-605	SS-M-610	SS-M-615	SS-M-620	SS-M-625	SS-M-630
Nominal Maximum Power (Pmax/W)	600	605	610	615	620	625	630
Optimum Operating Voltage (Vmp/V)	45.3	45.53	45.59	45.69	45.49	45.92	46.02
Optimum Operating Current (Imp/A)	14.03	14.08	14.11	14.18	14.25	13.61	13.69
Open Circuit Voltage (Voc/V)	53.5	53.61	55.25	55.4	55.55	55.7	55.85
Short Circuit Current (Isc/A)	14.03	14.08	14.11	14.18	14.25	14.32	14.39

\* Measurement Power Tolerance on Power 0 / +%

\* Under Standard Test Conditions (STC) of irradiance of 1000W/m<sup>2</sup>

\* Maximum System Voltage: 1500v IEC/UL

\* Normal Operating cell Temperature (NOCT) of irradiance of 800W/m<sup>2</sup>, 43± 2° C

\* Spectrum AM 1.5 and cell temperature of 25 °C

\* Wind Load 3600 pa & Mechanical Load 5400 pa

**Mechanical Parameter**

Module Dimensions	2465 x 1134 x 40 mm / 97.05 x 44.65 x 1.57inch
Weight	25kgs/55 lbs
Cell Size (Monocrystalline)	91x182mm/3.58x7.16 inch
No Of Cell	156(6*13*2)
Junction Box	IP68, 3 Bypass diodes
Solar Cable Length (4mm <sup>2</sup> )	1200mm (47.24inch)
Connectors	MC4 compatible
Glass (Tempered & Low Iron ARC)	3.2mm (0.125in)
Encapsulate	EVA
Back Cover (White Color)	Composite Sheet
Frame (Silver Color)	Anodized Aluminum Alloy

**Temperature Coefficient**

Coefficient of Current	+0.045% /°C
Coefficient of Voltage	-0.275%/K
Coefficient of Power	-0.350%/K

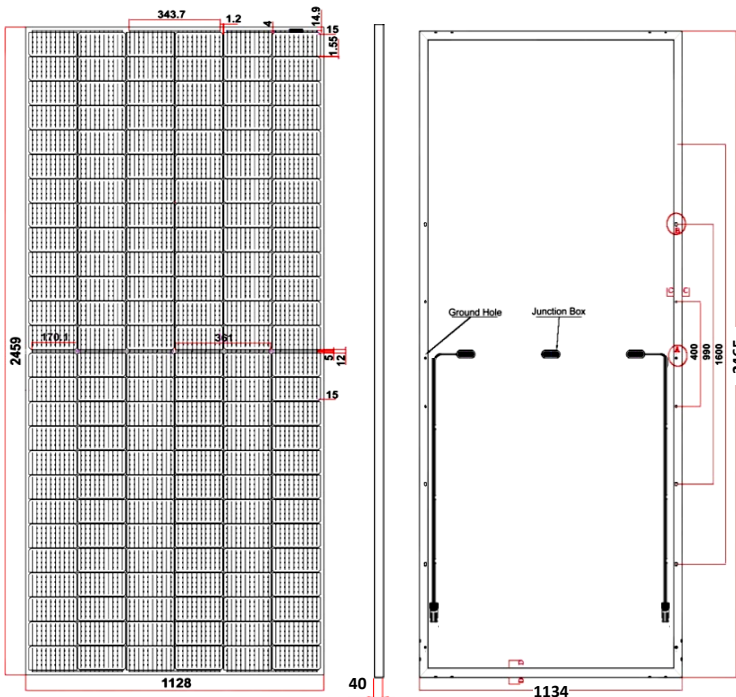
**Tested Operating Conditions**

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

**Product Warranty**

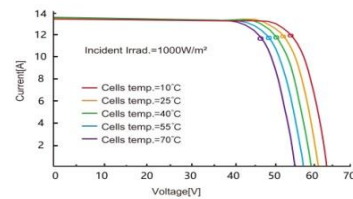
Product Warranty	12 Years
Performance Warranty	First 10 Years up to 90%, next 15 years up to 80%

**Module Drawing**

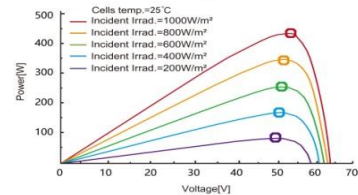


**IV Curve**

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

