



“ENERGY INSPIRED BY NATURE”

SS 320 - 335 Series



Quality Product

All Manufactured Modules are tested 100% by EL (Electroluminescence) during the Production Process and 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 ISO 9001:2008 and ISO 14001:2008 and 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, Canopies, etc.

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 attentions. Our end goal is to give a highly efficient product with exceptional customer service.

Guarantee

Our product is durable and has a 25 year performance warranty. Integrated manufacturing of cells and modules in one production line guarantees optimum performance.

RFID

RFID is an Radio Frequency Identification Technology - enables every individual modules to be uniquely identified. We can provide RFID tag as per customer's request.

US Manufacturing Facility:

Sonali Energiees USA LLC.,
Michigan, USA
Tel: 201-568-1424
Toll Free: 1.888.58.SOLAR
info@sonalisolar.com

US Office:

Sonali Energiees USA LLC.,
409 Grand Avenue, Suite 3,
Englewood, NJ 07631
Tel: 201-568-1424
Toll Free: 1.888.58.SOLAR
salesusa@sonalisolar.com

Europe Office:

Sonali Solar Europe Limited
Moore Stephens (South)
City Gates, 2-4 South Gate,
Chichester, W. Sussex,
PO 19 8 DJ
saleseurope@sonalisolar.com

Manufacturing Facility:

Plot No. 180-199
Surat Special Economic Zone
Sachin-Dist. Surat 394230
Gujarat, India
Tel: + 91 0261 2399910/2398007
sales@sonalisolar.com
marketing@sonalisolar.com



Electrical Specifications

Nominal Maximum Power (Pmax)	320 W	325 W	330 W	335 W
Optimum Operating Voltage (Vmp)	37.33 V	38.40 V	38.50 V	38.60 V
Optimum Operating Current (Imp)	8.58 A	8.47 A	8.58 A	8.80 A
Open Circuit Voltage (Voc)	45.76 V	46.90 V	46.90 V	47.00 V
Short Circuit Current (Isc)	9.10 A	8.72 A	8.82 A	9.24 A

* 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, spectrum AM 1.5 and ambient temperature of 20 °C, + 2 °C

Mechanical Specification

Module Specifications	(1954 X 981 X 40 mm) / (76.93 X 38.62 X 1.57 inch)
Weight	21 kgs / 46.30 lbs
Junction	Protection Class IP65 with Bypass diodes
Cable & Connectors	Solar Cable 900mm length with 4.0mm ² double insulated cable, multi contact connector
Cell Arrangement	72 (6 x 12)
Front Cover	3.2 mm Tempered Glass (ARC)
Encapsulate	EVA
Back Cover	Composite Sheet
Frame	Silver Matt Finished Anodized Frame, Anodizing Coating Thickness > 16 um

Temperature coefficient

Coefficient of Current	(0.065 %/°C)
Coefficient of Voltage	(-0.331 %/°C)
Coefficient of Power	(-0.439 %/°C)

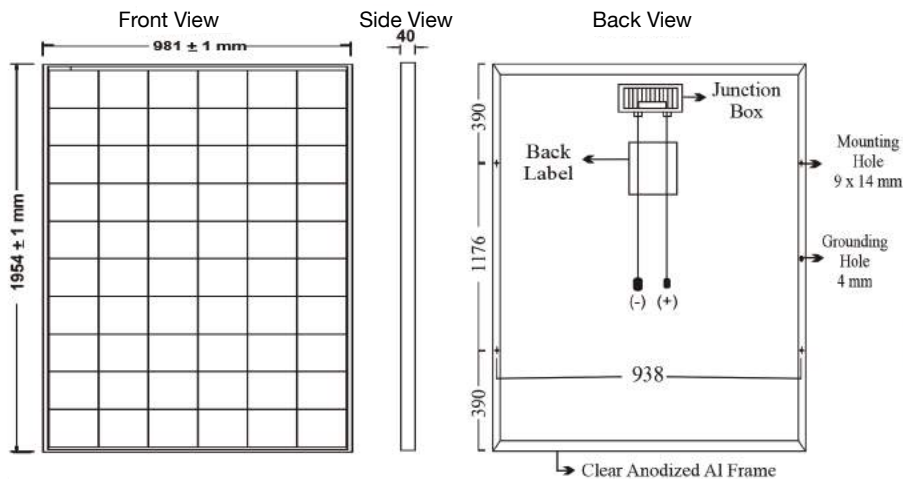
Product Guarantees

Product Warranty	12 Years
Performance Warranty	First 10 Years up to 90%, next 15 years up to 80%
Approvals & Certificates	IEC 61215, 61730-1, 61730-2 & 61701 UL 1703 MCS, MNRE

Tested Operating Conditions

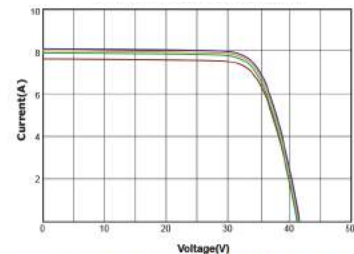
Temperature Cycling Range	(-40 C ~+85 C)
Humidity Freeze, Damp Heat	85% RH

Dimensions



IV CURVE

Measurement Performance



SS 320 – 1000 w/m², 25°c
 SS 310 – 1000 w/m², 25°c
 SS 300 – 1000 w/m², 25°c
 SS 290 – 1000 w/m², 25°c
 SS 315 – 1000 w/m², 25°c
 SS 305 – 1000 w/m², 25°c
 SS 295 – 1000 w/m², 25°c
 SS 280 – 1000 w/m², 25°c

