



SONALI SOLAR

LEADING MANUFACTURER OF PV MODULES

SS 90 Series
SS 100 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, ISO 9001:2008 & ISO 14001:2008

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

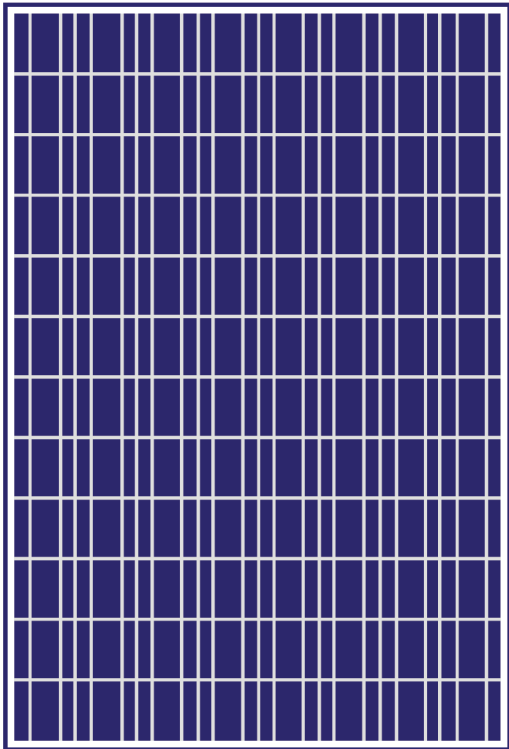
We have a team of qualified experts and engineers making sure that modules produce maximum power. We pride ourselves in caring for each individual customer needs with detailed attention. Our end goal is to give a highly efficient product with exceptional customer service.

Guarantee

Our product is durable and has 25 years performance warranty. Integrated manufacturing of cells & modules in 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.



An ISO 9001 : 2008 Certified
An ISO 14001 : 2004 Certified

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Electrical Specifications

Nominal Maximum Power (Pmax)	90W	100W
Optimum Operating Voltage (Vmp)	17.64	18
Optimum Operating Current (Imp)	5.10	5.56
Open Circuit Voltage (Voc)	21.6	21.6
Short Circuit Current (Isc)	5.69	5.92

* Maximum System Voltage : 1000 V

* Measurement Power Tolerance on Power $\pm 3\%$, 0 /+ Tolerance on Max power Available upon request.

* Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25 °C

Mechanical Specification

Module Dimensions	(1120X675X35 mm) / (44.09X26.57X1.38 inch)	
Weight	9.5kg/20.94bs	
Junction Box	Protection Class IP65 (with or without Bypass diodes)	
Cable & Connectors	with or without Solar Cable 900mm length with 4.0mm ² double Insulated Cable, Multi Contact connector	
Cell Arrangement	36 (9X4)	
Front Cover	3.2mm Tempered Glass	
Encapsulate	EVA	
Back Cover	Composite Sheet	
Frame	Silver Matt Finished Anodized frame, Anodizing Coating Thickness $\geq 16 \mu\text{m}$	

Temperature Coefficients			Product Guarantees	
Coefficient of Current α	(0.060 %/°C)	Product Warranty	10 Years	
Coefficient of Voltage β	(-0.35 %/°C)	Performance Warranty	Output of 90% for 10 years and 80% for 25 years	
Coefficient of Power λ	(-0.45%/°C)	Approvals & Certificates	Complied to IEC 61215, 61730-1, 61730-2 & UL 1703 Standards by ETL	

Tested Operating Conditions:	
Temperature Cycling Range	(-40°C~+85°C)
humidity Freeze, Damp Heat	85 % RH
Static Load	2400 Pascal

