

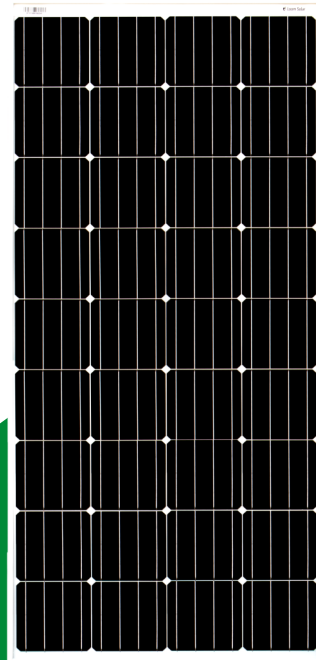
# LOOM SOLAR

## 190W

Loom solar 190 watt solar panel is made of A grade black silicon cells to generate electricity from sun. The cells are made of superior quality silicon which gives higher efficiency up to 20% and also performs better in low light. It is the latest panels in mono crystalline technology that comes with 5 busbars 36 cells and 25 years performance warranty. IP 67 rated junction with MC4 connectors and 1 meter wire is given for outdoor use.



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## Features



### Best in Class Efficiency

Innovative cell technology ensures optimum solar power generation providing high value for money upto 20%.



### Outstanding Durability

With its newly reinforced frame design, Loom Solar 190W can endure a front load up to 6,000Pa, and a rear load up to 5,400Pa.



### Enhanced Performance Warranty

After 25 years, Loom Solar 190W is guaranteed at least 80% of initial performance.



### Excellent Low-light Performance

Built with high quality glass and solar cell, mono-crystalline gives higher performance in low-light and cloudy weather



### Aesthetic Roof

Loom Solar 190W has been designed with aesthetics in mind. It can increase the value of a property with its modern design.



### Application

Perfect for charging 12V (40AH-200AH) battery and running Lead Acid and Li-Ion battery

## About Loom Solar Pvt. Ltd.

Loom Solar is India's premium solar brand that manufactures monocrystalline solar panel and AC Module. It is an Indian company headquartered in Faridabad, Haryana

## Electrical Parameters

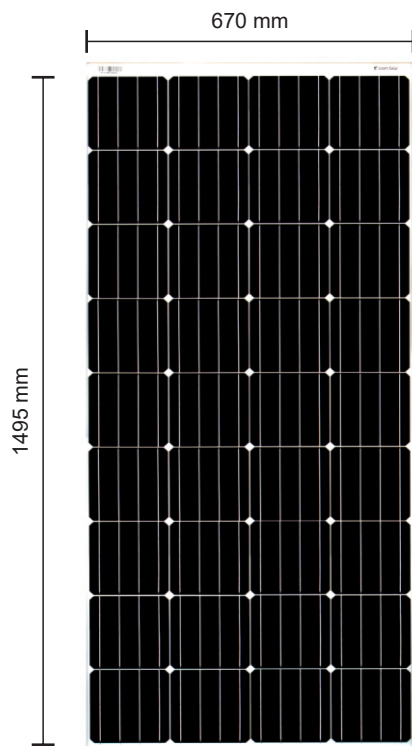
Model		190 Watts	
Cell Configurations (Nos.)	[Nos]	9 x 4 (36) Series	
Parameters		Value	Tolerance max (W) W]
Pmax		190.00	±3.0%
Voc (V)	[V]	25.00	
Isc (A)	[A]	9.80	
Vmax (V)	[V]	20	
Imax (A)	[A]	9.50	
Fill Factor (%)	[%]	81.20	
Module Efficiency (%)	[%]	18.17	
Maximum System Voltage	[VDC]	1000.00	
Nominal Operating Cell Temp.	emp. Coefficient of Pmax	{NOCT} (°C)	44.0 °C
T		[%/°C]	-0.43

Electrical values measured at STC: 25°C, 1.5AM, 1000 W/m<sup>2</sup>

## Mechanical Parameters

L - Length of Module (mm)	1495
W - Width of Module (mm)	670
H - Height of Module (mm)	35
X - Pitch Distance (mm)	632
Y- Pitch Distance (mm)	745
G - Grounding Hole (mm)	6 mm diameter on length side
Mounting Hole (mm)	4 oblong of size 9 mm x 11 mm
Junction Box	3 terminal junction box with 2 by-pass diodes

## Panel Frontside



## Panel Backside

