Loom Solar

375W AC Module

Loom solar launches first time in India, Solar AC Module i.e. you can run your home appliances such as Fan, Television, Refrigerator, Air-cooler, Air Conditioner during the day directly from solar without Inverters, Batteries. The Solar AC module is designed to make every home solar powered in Metro city, big towns, Capital cities without hassles.

Note: It does not work when there is power failure.

Features

Panel Level performance Monitoring.

Innovative cell technology ensures optimum solarpower generation providing high value for money upto20%.

25 Years Warranty*.

With its newly reinforced frame design, Loom Solar 375W AC Module can endure a front load up to 6,000Pa, and a rear load up to 5,400Pa.

Superior performance when panels are shaded.

After 25 years, Loom Solar 375W AC Module is guaranteed at least 80% of initial performance.

Safe for home as panel produces 230 V AC.

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

Quick installation

Loom Solar 375W AC Module has been designed with aesthetics in mind. It can increase the value of a property with its modern design.

Net Meter

An AC Module can be setup at home without net meter if installed with envoy monitoring system.

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

375W

Loom Solar

Mechanical Properties

Cells	6 x 12
Cell Vendor	Loom Solar
Cell Type	Monocrystalline / N-type
Cell Dimensions	156.7 x 156.7 mm
# of Busbar	5
Dimensions (L x W x H)	1970 x 990 x 35 mm 77.55 x 39 x 1.37 inch
Weight	25.0 kg / 55.11 lb
Front Load	6000 Pa
Rear Load	5400 Pa
Cooling	Natural convection - No fans
Enclosure Environmental Rating	Outdoor - NEMA 250 type 6 (MIC)
Operating Ambient Temperature	-40 ~ +65 °C (-40 ~ +149°F)
Storage Temperature	-40 ~ +85 °C (-40 ~ +185°F)
Glass	High Transmission Tempered Glass
Frame	Anodized Aluminum
Inverter Model (Utility Interactive)	Enphase IQ7+ Microinverter

Certifications and Warranty

Certifications	AC Module	UL 1741, UL 1703
	Micro Inverter	UL 1741 / IEEE 1547, UL 62109-1
		FCC Part 15 Class B, ICES-0003 Class B
		CAN/CSA-C22.2 NO.107.1-01
Module Fire Performance		Type 1 (UL 1703)
Solar Module Product Warranty		25 years
Micro Inverter Warranty		10 years
Output Warranty of Pmax (DC) (Measurement Tolerance ± 3%)		Linear Warranty*

* 1) 1st year : 98%, 2) After 1st year : 0.55% annual degradation, 3) 25 years : 84.8%

DC Temperature Characteristics

NOCT*	45 ± 3 °C
Pmpp	-0.37 %/°C
Voc	-0.27 %/°C
Isc	0.03 %/°C

* NOCT (Nominal Operating Cell Temperature): Irradianče 800 W/m, ambient temperature 20 °C, wind speed 1 m/s

DC Electrical Properties (STC*)

Module	**375 W**
Maximum Power (Pmax)*	375
Module Efficiency (%)	19.3%
Power Tolerance (%)	0 ~ +3

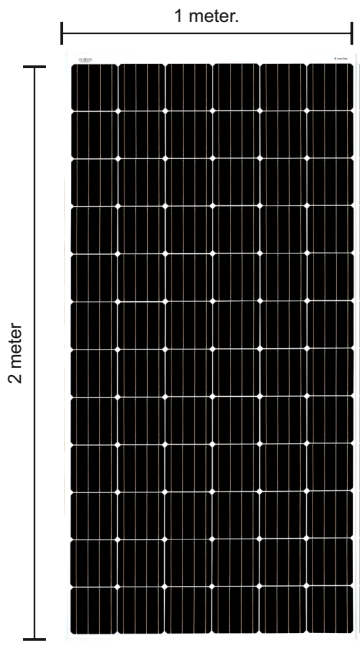
* The typical change in module efficiency at 200 W/m² in relation to 1000 W/m² is -2.0%.
* STC (Standard Test Condition): Irradiance 1,000 W/m², Ambient Temperature 25 °C, AM 1.5
* The nameplate power output is measured and determined by LG Electronics at its sole and absolute discretion.

AC Electrical Properties

Peak Output Power (VA)	295
Max. Continuous Output Power (VA)	290
Nominal Voltage / Range (V)	230 / 184 ~ 276
Nominal Output Current (A)	1.26
Nominal Frequency / Range (Hz)	50 / 45 ~ 55
Power Factor / Adjustable	0.8 leading…0.8 lagging
CEC Weighted Efficiency (%)	97%
Max. Branch Circuit Over Current Protection	20

Dimensions

Panel Frontside



Panel Backside

Loom Solar Pvt. Ltd.
B-949, Green Fields Colony Faridabad, Haryana -121003
Website : www.loomsolar.com