

LOOM SOLAR

**Let the sun
run your home
and business**



INVERTER

Technical Specification

**LOOM SOLAR OFF-GRID INVERTER
1KVA TO 5KVA**

ABOUT LOOM SOLAR



LOOM SOLAR PVT. LTD. is a start-up, a manufacturer of Mono PERC Solar Panel and Lithium Batteries. It was started in year 2018 at Faridabad, Haryana by two brothers Amol and Amod Anand. Loom solar offers its products across India including villages through 3500 re-sellers with promised delivery within 3-7 days.

Loom Solar ® has won the prestigious gold and silver award in the 11th Annual 2019 Golden Bridge Business and Innovation Awards at United States of America.

Solar Inverter

A solar inverter can be defined as an electrical converter that changes the uneven DC (direct current) output of a solar panel into an AC (alternating current). This current can be used for different applications like in a viable electrical grid otherwise off-grid electrical network. In a PV system, it is a dangerous BOS (balance of system) component that allows the utilization of normal AC powered apparatus. These inverters have some functions with PV arrays like tracking of utmost PowerPoint & protection of anti-islanding. If we are using a solar system for a home, the selection & installation of the inverter is important. So, an inverter is an essential device in the solar power system.



Solar Off-Grid Inverter

1KVA - 5KVA

Applications



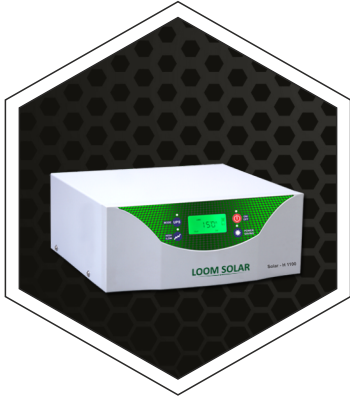
Home



Shops



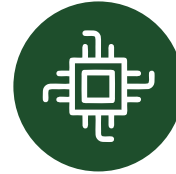
Offices



SOLAR INVERTER



**Years Product
Warranty**



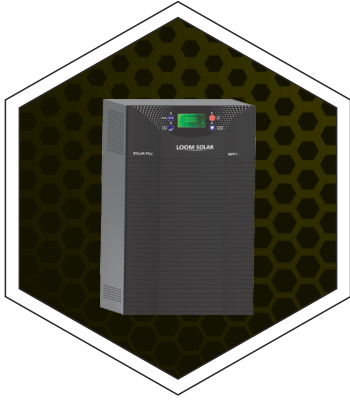
PWM

PRODUCT DESCRIPTION

Model	Fusion - 1000	Fusion - 2200
Capacity (VA)	1KVA	2KVA
Nominal Battery Voltage (Vdc)	12V	24V
Charge Controller Type	PWM	PWM
Maximum Supported Panel Power	12V upto 800Wp	24V upto 1600WP

TECHNICAL SPECIFICATION

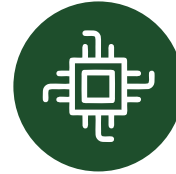
Maximum PV Power	800Wp	1600Wp
Rated Output Power (KVA)	1000VA	2000VA
Input Voltage Range (Voc)	23V	46V
Input Voltage Range (Vmp)	14.5V-18V	29V-36V
Operating Voltage	92V-292V	92V-292V
Battery Boost Voltage (Adjustable)	14.4V	14.4V
Battery Low Cut (Adjustable)	10.6V	10.6V
Grid Charging Current (Adjustable)	18A	20A
Solar Charging Current (Adjustable)	40A	40A
Dimensions (L*W*H)	330*325*185 mm	405*370*260 mm
Net Weight (Kg)	10.35 Kg	16.96 Kg
Supported Battery Type	Flat, Tabular, VRLA (SMF)	



SOLAR INVERTER



**Years Product
Warranty**



MPPT

PRODUCT DESCRIPTION

Model	Fusion - 3750	Fusion - 5000
Capacity (VA)	3.5KVA	5KVA
Nominal Battery Voltage (Vdc)	48V	96V
Charge Controller Type	MPPT	MPPT
Maximum Supported Panel Power	3840Wp	5000Wp

TECHNICAL SPECIFICATION

Maximum PV Power Input	3840Wp	5000Wp
Maximum Efficiency	Above 98%	Above 98%
Rated Output Power (VA)	3750VA	5000VA
Maximum DC Input Voltage	188V	350V
MPPT Efficiency	Above 98%	Above 98%
Input Voltage Range (Vmp)	150V	280V
Input Voltage Range (Voc)	188V	350V
Dimensions (L*W*H)	441*391*502 mm	543*394*648 mm
Net Weight (Kg)	28.97 Kg	43.79 Kg
Supported Battery Type	Flat, Tabular, VRLA (SMF)	

LOOM SOLAR

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Factory / Warehouse:

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