


LOOM_SOLAR



A Multipurpose

LITHIUM BATTERY

 sales@loomsolar.com

 +91 8750 77 88 00

FEATURES



01 **FASTER CHARGING**
2 - 4 HOURS

MAINTENANCE FREE
NO WATER TOP UP

02



03 **LONGER LIFE**
10 YEARS LIFE

LIGHT WEIGHT
1/4 LEAD ACID BATTERY

04



ATOM Battery

Loom Solar has been Manufacturing ATOM Batteries which are powered by Lithium cells. It is Portable, Long life and higher backup batteries. It is replacement of traditional lead acid which is used in Home inverter, Street Light and Portable Machines.

The Lithium Battery Cells used in this battery are also used in Electrical Vehicles such as Car, Motor Bike and Mobile Battery.



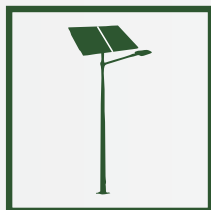
Lithium Battery

6 Ah (75 Wh) - 100 Ah (5,000 Wh)

Applications



Home Lighting System



Street Light



Portable Machine



Electric Vehicle

SPECIFICATION

STANDARD

MODEL	ATOM 612	ATOM 1212	ATOM 2012	ATOM 3012	ATOM 4012
Battery Capacity	75 Wh	150 Wh	250 Wh	385 Wh	500 Wh
Rating	6 Ah / 12.8 Volt	12 Ah / 12.8 Volt	20 Ah / 12.8 Volt	30 Ah / 12.8 Volt	40 Ah / 12.8 Volt
Technology	Lithium Phosphate				
Charging Time	4 Hours				
Cycle Life	More than 2000 times				

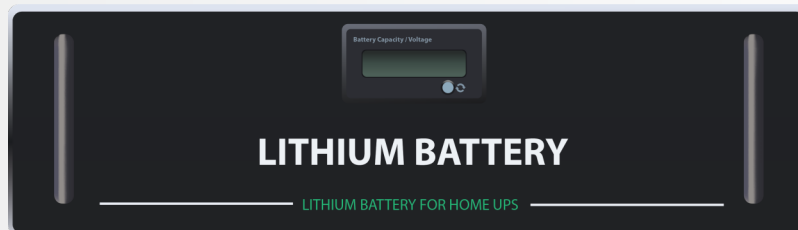
TECHNICAL

Charging/Discharging Current	5 Amps.	5 Amps.	10 Amps.	20 Amps.	20 Amps.
Operating Voltage	11.2 to 14.4 Volt				
Terminal Type	Thimbles				
Protections	Over Charge, Deep Discharge, Cell Balancing, Short - Circuit				
Type of cells	Cylindrical				
Standard Temperature	-10 to +55°C	-10 to +55°C	-10 to +55°C	-10 to + 55°C	-10 to +55°C

PHYSICAL

Battery Weight	800 g	1.6 kg	1.8 kg	3.4 kg	4 kg
Overall Dimension (L*W*H)	100*90*70mm	160*75*80mm	150*100*100mm	170*180*80mm	267*77*176mm
Free Replacement	24 months	24 months	24 months	24 months	24 months
Price (MRP)	2,500	6,500	10,000	15,500	20,000

Inverter Battery



Loom Solar Introduces future generation technology battery powered by Lithium cells for home, The Lithium battery can be used with a grid/ Solar inverter having CCV profile. Constant charging and a constant voltage is a type of charger require to charge a Lithium battery.

Currently, This battery is supported by Microtek solar range of products which includes Solar Inverter 2335 VA models.

A similar lithium battery is also used in Electric Vehicles, Telecom Towers. In this technology battery, Lithium is used as Anode, the charge moves from anode to cathode during discharge and cathode to anode during charging.

SPECIFICATION

STANDARD

MODEL	ATOM 8012	ATOM 8024	ATOM 10048
Battery Capacity	1,000 Wh	2,000 Wh	4,800 Wh
Rating	80 Ah / 12.8 Volt	80 Ah / 25.6 Volt	100 Ah / 48 Volt
Technology	Lithium Phosphate		
Charging Time	4 Hours		
Cyclic Life	More than 2000 times		
Operating Temperature	0 to 50°C	0 to 50°C	0 to 50°C

TECHNICAL

Charging / Discharging	20 Amps.	20 Amps.	80 Amps.
Operating Voltage	11.0 to 13.34 Volt	22 to 26 Volt	42 to 56 Volt
Terminal Type	Push & Pull Connector		
Protection	Over Current & Over Voltage		
Type of cells	Prismatic		

PHYSICAL

Battery Weight	10 kg	18 kg	50 kg
Overall Dimension (L*W*H)	380*340*95mm	380*340*170mm	439*400*222mm
Price (MRP)	30,000	65,000	1,50,000



LOOM SOLAR

Corporate Office:

Plot No.14/6, Sector - 27B, Mathura Road, Faridabad, Haryana
121003 (India)

Factory / Warehouse:

Plot No.21/1, Mathura Road, Faridabad, Haryana 121006 (India)