



# ML100-51.2-W01

## Residential LFP Battery Series

**51.2V 100Ah 5.12kWh**

A sleek and space-saving solution for your energy storage needs. With its compact design and easy installation, it seamlessly blends into any environment. Whether in your home, office, or commercial space, our wall-mounted unit provides reliable and efficient energy storage.

ML100-51.2-W01 is a perfect wall-mounted solar energy lithium battery for residential home use. Built-in with High-Quality LiFePO4 large capacity cells. It ensures a long cycle life of the battery system. The designed BMS is verified to be compatible with different brands of inverters, hybrid or off grid.



### FEATURES



#### Unique Design

New wall mount design



#### Flexible Capacity

Max.15pcs in Parallel to extend capacity



#### Safe & Reliable

Lithium Iron Phosphate (LFP) Cell



#### Touch color LCD



#### Easy Installation

Quick plug in +/- and parallel connection



#### Communication

RS232,CAN,RS485



## Dimensions



Performance	
Nominal Voltage	51.2Vdc
Nominal Capacity	100Ah
Battery Energy	5120 Wh
Charge Voltage	56V ± 0.2
Discharge Voltage	46.4 Vdc
Nominal Charge/Discharge Current	50A
Nominal Charge/Discharge Power	2560 W
Max Charge / Discharge Current	100A
Max Charge/Discharge Power	5120 W
Short Circuit Current	350A/3mS
Communication	
Display	Touch color LCD
Communication	RS232、RS485、CAN
General Specification	
Dimension(W×D×Hmm)	475X514X145mm
Weight (Kg)	47KG
Installation	Floor stand or Wall mounted
Charging Temperature Range	0°C ~ 55°C
Discharge Temperature Range	-20°C ~ 60°C
Operating /Storage /humidity	≤95%RH
Max Operating Altitude	≤2000m
IP Rating	IP21
Cell Technology	LiFePO <sub>4</sub> , Lithium Iron Phosphate
Cycle life	6000 Cycles @ 80% DOD /25°C /0.5C, 60%EOL
Scalability	Max 15 batteries in parallel