

# 51.2V100AH (Wall Mount)

## Unique Design

- ◆ New wall mount design

## Flexible Capacity

- ◆ Max.15pcs in Parallel to extend capacity

## Easy Installation

- ◆ Quick plug in+/-and parallel connection

## Safe & Reiable

- ◆ LFP Prismatic Cell
- ◆ It is a perfect wall mounted solar energy lithium battery for residential home use. Built-in with High-Quality LFP Prismatic 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 on grid & off grid or off grid.





51.2V100AH and 51.2V200AH Rack Mounted Battery is made of LFP battery, With the advantage of integration, miniaturization, light, intelligence, standardized, environmental protection, it is a key energy storage element in modern energy storage systems. Integrate solar inverters and LiFePO4 battery enclosures into a pre-wired modular system for easier and faster installation.

<b>Product Name</b>		<b>51.2V100-WA1</b>
<b>Electrical Characteristics</b>		
Nominal Voltage		51.2V
Nominal Capacity		100AH
Energy		5120WH
Battery Chemistry		Lithium Iron Phosphate (LFP)
Cycle Life		6000 Cycles @50A Charging Discharging, Until 80% Capacity
Operating Voltage		43.2V-57.6V
Communication Interfaces		CAN/RS485/RS232
Scalable		Up to 15 units
Expansion function		Single-pack level heat aerosolfre extinguishing device/Heating function/ bluetooth
<b>Charge &amp; Discharge</b>		
Recommended charging/discharging current		50A
Maximum continuous charge/discharge current		100A
Recommended charging/discharging current		250A 10S
Conversion efficiency		99%,25°C/1C
<b>Environmental</b>		
Environment		Indoor
Charging Temperature		With heating function: -20~55°C; Without heating function: 0~55°C
Discharging Temperature		-20 to 60°C
Storage Temperature		Between 20°C and 45°C within three months; 25±3°C for more than three months
Storage humidity		65+20% RH
Altitude		≤3,000 m
Cooling Method		Natural Convection
IP Rating		IP20
<b>Mechanical</b>		
Weight		55KG
Installation		Wall-mounted
<b>Certification</b>		
Certificate		CB, IEC62619, UL1973, UL9540A, CE-EMC,UN38.3, MSDS