



# WALL-MOUNTED 51.2V 100Ah LiFePO<sub>4</sub> BATTERY

## PRODUCT FEATURES

-  **SAFE**  
 Cobalt-free LiFePO<sub>4</sub> battery offers safe, long-lasting performance with high energy density and comprehensive safety features.
-  **ECO-FRIENDLY**  
 Made with non-toxic, eco-friendly materials. Does not pollute the environment.
-  **RELIABLE**  
 High-current smart BMS enables efficient discharge. Natural cooling design with wide operating temperature range (-20°C to 60°C).
-  **FLEXIBLE**  
 Easily wall- or floor-mounted. Modular design allows expansion — supports parallel connection of up to 32 batteries.
-  **SMART**  
 LCD display with real-time power monitoring. Supports automatic networking, remote diagnostics, and firmware upgrades. Fully compatible with off-grid, hybrid, and on-grid solar inverters.
-  **PROTECTIVE**  
 IP54-rated enclosure for environmental protection.

## APPLICATIONS

Suitable for residential and commercial applications.



high-end villas



residential electricity



communication base station



nomad farm

## PRODUCT PARAMETERS

Model	RB-W-5120-C
<b>Electrical Parameter</b>	
Nominal Capacity	100Ah
Charging Voltage Range	55.2V-56.8V
Rated Voltage	51.2V
Voltage Range	44.8V-58.4V
Depth of Discharge (DoD)	90%
Maximum Discharge Current	100A
Maximum Charging Current	100A
<b>General Parameter</b>	
Battery Type	Lithium Iron Phosphate (LiFePO <sub>4</sub> )
Communication	CAN/RS485
Working Altitude	≤ 2000m
Working Temperature Range	Charging 0 ~55 / Discharging -20°C ~60°C
Operation Humidity	5%~95%
Storage Temperature Range	≤ 25 @12 months; ≤ 35 @6 months; ≤ 45 @3 months
Life Cycle	≥ 4000@25 ± 2 ,0.5C/0.5C, 80%EOL
Cooling	Natural Cooling
Ingress Protection Rating	IP21
Dimensions [H*W*D]	600 x 410 x 165mm
Net Weight	48Kg
Warranty	5 years
Certification	UN 38.3