



Wall Mount LV Lithium Battery



Technical Specifications

Performance		
Model	ZXJC-DY01-05	ZXJC-DY01-10
Nominal Voltage	51.2 Vdc	
Nominal Capacity	100Ah	200Ah
Nominal Battery Energy	5120 Wh	10240 Wh
Working Voltage	40 ~ 58.4Vdc	
Nominal Charge/Discharge Current	50A	100A
Max Charge/Discharge Current	100A	200A
Nominal Power	2500W	5000W
Communication		
Display	SOC status indicator, LED indicator	
Communication	RS232, RS485, CAN	
Compatible Inverters	INVT / Sinexcel-isuna / Deye / ASW / Growatt / SCU / Goodwe / Megarevo / MUST / Leoch etc.	
General Specification		
Dimension(W×D×H mm)	630mm x 420mm x 165mm	800mm x 534mm x 167mm
Weight	44.5kgs	95kgs
Working Temperature	-20° C ~ 60° C	
IP Rating	IP65	
Deep of Discharge	≤ 95%RH	

Max Operating Altitude	≤ 2000m
Cell Technology	LiFePO4 Lithium Iron Phosphate
Cycle life	≥6000 Cycles @ 90% DOD
Scalability	Max 8 batteries in parallel
Standard Compliance	
Certification	UN38.3, IEC62619, IEC61000, IEC/EN62477, EN61000 (more available upon request)

Protection Functions

电池内置保护电路模块(PCM)，保证电池充放电安全。

The battery is packed with the Protection Board, protection circuit module(PCM), which can ensure the safety of this battery in charging and discharging.

mainly used as backup power supply for 16 strings lithium battery base station communication, residential energy storage and other systems. It can monitor the working status (voltage, current, temperature, etc.) of battery pack to alarm and protect the over/under voltage, over current, over temperature, reverse connection, etc. It can also provide the balanced protection function to extend the service life for battery cell, and realize the data monitoring parameter configuration and firmware upgrade via RS232, RS485, CAN BUS and other interfaces.

The main functions of the BMS are as follows:

1) 过压/欠压保护

Over/under voltage protection

2) 过充保护

Over charge protection;

3) 过放保护

Over discharge protection;

4) 温度保护

Temperature protection;

5) 充放电过流保护

Charge/Discharge Over current protection;

6) 反接保护

Reverse connection protection

7) 提供电芯均衡保护功能，延长电芯寿命

Provide **balanced protection function** to extend the service life for battery cell

8) 软件保护板，采用100A保护板，RS485/RS232/CAN通讯功能，支持对接逆变器通讯

Software protection board, using 100A protection board, RS485/RS232/CAN communication function, supporting communication with inverter docking

9) 带3.5寸灰屏（按键屏），带100A船型开关，可选蓝牙WIFI模块，支持最大16pcs并联使用

Equipped with a 3.5-inch grey screen (button screen), 100A rocker switch, optional bluetooth WIFI module, supporting up to 16pcs in parallel

10) 120A快接插头，即插即用

120A quick plug connector, plug and play