

# Stackable LV Lithium Battery



## Technical Specifications

Performance				
Model	ZXJC-DY02-05	ZXJC-DY02-10	ZXJC-DY02-15	ZXJC-DY02-20
Nominal Voltage	51.2 Vdc			
Nominal Capacity	100Ah	200Ah	300Ah	400Ah
Nominal Battery Energy	5120 Wh	10240 Wh	15360 Wh	20480 Wh
Working Voltage	40 ~ 58.4Vdc			
Nominal Charge/Discharge Current	50A	100A	150A	200A
Nominal Power	2500W	5000W	7500W	10000W
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 )	530×450×266mm	530×450×446mm	530×450×626mm	530×450×806mm
Weight	55kgs	99kgs	143kgs	187kgs
Working Temperature	-20° C ~ 60° C			
IP Rating	IP65			
Max Operating Altitude	≤ 2000m			
Deep of Discharge	≤ 95%RH			
Cell Technology	LiFePO4, Lithium Iron Phosphate			
Cycle life	≥6000 Cycles @ 90% DOD			
Scalability	Max 16 towers can be connected 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 dockir**

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**