

WALL MOUNTED LIFEPO4 BATTERY DATASHEET (51.2V100Ah)

1、 (Specifications)

2024. 04. 10

No.	Items	Value	
1	电芯	3.2V 100AH	
2	Pack Style	16S1P	
3	Nominal Voltage	48V	
4	Nominal Capacity	100Ah	
5	Min Capacity	100Ah	
6	Rated Power	5.12KWh	
7	Charging Voltage	57.6V	
8	Working Voltage	40V~58.4V	
9	Cycle Life	≥6000 times	
10	Charging Current	Standard Charge Current	50A (0°C~10°C)
		Max Charge Current	100A (10°C~45°C)
12	Max Continuous Discharge Current	100A	
13	Internal Resistance	≤100m Ω	
14	Dimension L*W*H/mm	630*510*280 mm (Excluding terminal blocks)	
15	Approx. Weight	≈55Kg (Estimating weight)	
16	Operating Temperature	Charge	0°C~55°C
		Discharge	-20°C~60°C
17	Storage Temperature	1 month	-0°C~45°C
		3 months	-0°C~35°C
		6 months	-0°C~25°C

2、 Protection functions

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

The main functions of the BMS are as follows:

- 1) Over charge protection;
- 2) Over discharge protection;
- 3) Temperature protection;
- 4) Overcurrent protection;
- 5) Software protection board with RS485/RS232/CAN communication function, supporting up to 16pcs parallel use, and supporting communication with inverters
- 6) Equipped with a 3-inch blue screen (touch screen), 6A soft switch
100A through type terminal,

3、 Drawing

Dimensions: L630*W510*H280 mm

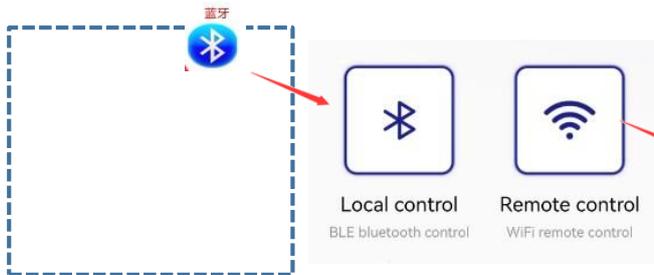
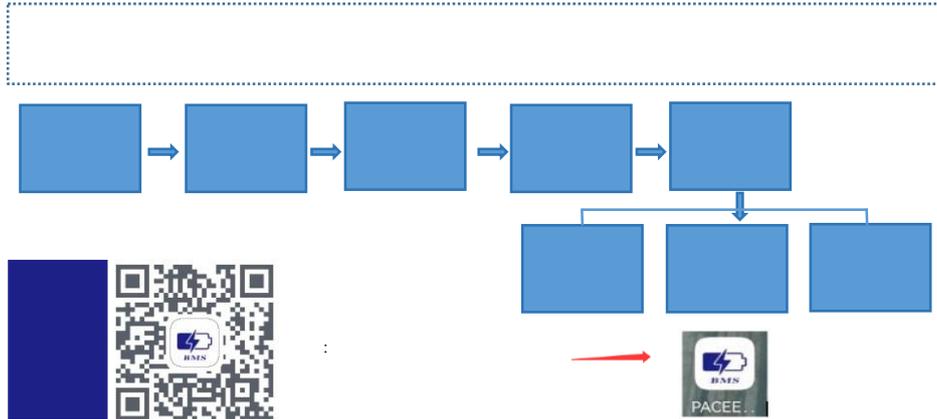


Bluetooth Function

Search PACEES BMS On the iPhone Store to

Download And Follow the next step

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Device addition

Click "Add" and "+" to enter the search page and search for devices
Note: This step requires the phone to turn on the "Bluetooth", "Location", and "WiFi" functions, otherwise it will not be possible to complete Search and subsequent distribution network operations

Device addition

WiFi module returns to factory: The WiFi module returns to factory and puts the device in a discoverable state. Long press the reset button for 10-13 seconds, and the specific operation LED light display is as follows: Long press the button to make the water flow light run once. When all the lights are on for 5 seconds and then turn off, release the button

Distribution network

Turn on the "Bluetooth", "Location", and "WiFi" functions on your phone, otherwise you will not be able to complete the search and subsequent network operations



Note: The phone needs to be connected to the WiFi first, and the module only supports 2.4G WiFi

Device Editing and Sharing



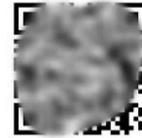
Long press the device item, and an edit menu will pop up at the bottom

Renaming: Changing device nickname for easy use

Delete: Unbind from device, scan the code again or add network configuration for next use

Sharing: When you are a device administrator (the account bound to the network for the first time), you can generate a QR code for the device for other users to scan and add.

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请使用"PACEEX BMS"APP扫码添加
提示: 请确保分享者与该账号在同一个地区

保存至相册

Equipment control and data display

The APP has completed the summary interface, including basic data, voltage and temperature, status data, historical data, parameter settings, device information, and general settings



OTA upgrade

The original design of the upgrade triggering strategy was for the APP to automatically identify whether an upgrade was needed based on the current software version number of the device. However, due to incorrect responses to MCU software version and other information, it was temporarily triggered by clicking on the device icon.

7.1: On the device list page, click on the device icon and a window will pop up for entering the firmware security code

7.2: Based on the security code entered by the user, pull the firmware information corresponding to the server and confirm the upgrade

