

FLOOR/WALL MOUNTED LIFEPO4 BATTERY DATASHEET (51.2V300Ah)

1、规格 (Specifications)

2024. 04. 10

No.	Items		Value
1	Cell		3.2V 300AH
2	Pack Style		16S1P
3	Nominal Voltage		48V
4	Nominal Capacity		300Ah
5	Min Capacity		300Ah
6	Rated Power		15KWh
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	200A (10°C~45°C)
12	Max Continuous Discharge Current		200A
13	Internal Resistance		≤100mΩ
14	Dimension L*W*H/mm		810*483*287 mm (Excluding terminal blocks)
15	Approx. Weight		≈115Kg (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 200A through type terminal,

3、 Drawing

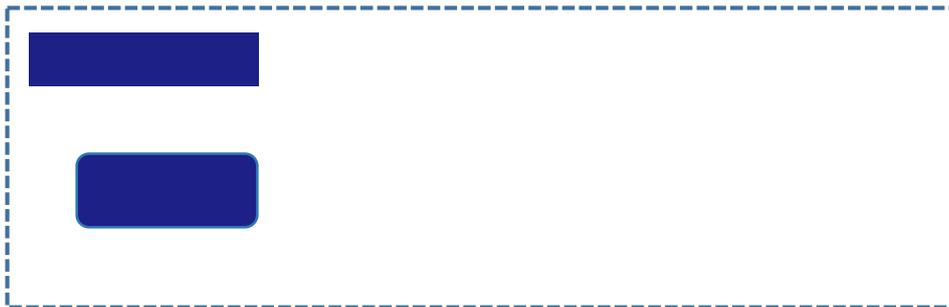
Dimensions: L810*W483*H287 mm



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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

