

产品方案 51. 2V280Ah

Product Scheme for 51. 2V280Ah

1、规格 (Specifications)

序号 No.	项目 Items		数值 Value	
1	电芯 Cell		海辰 (HITHIUM) LFP71173207-280Ah (3.2V)	
2	组合规格 Pack Style		16S1P	
3	标称电压 Nominal Voltage		51.2V	
4	标称容量 Nominal Capacity		280Ah	
5	最小容量 Min Capacity		280Ah	
6	额定功率 Rated Power		14336Wh	
7	充电电压 Charging Voltage		58.4V	
8	工作电压 Working Voltage		36.8V~58.4V	
9	充电模式 Charging Mode		CC-CV	
10	充电电流 Charging Current	标准充电电流 Standard Charge Current	56A (0°C~10°C)	
		最大充电电流 Max Charge Current	100A (10°C~45°C)	
12	最大持续放电电流 Max Continuous Discharge Current		200A	
13	内阻 Internal Resistance		≤100mΩ	
14	尺寸 Dimension L*W*H/mm		666*483*267 mm (不含接线柱及滚轮 Excluding terminal blocks and rollers)	
15	约重 Approx. Weight		≈135Kg	
16	工作温度 Operating Temperature		Charge	0°C~55°C
			Discharge	-20°C~60°C
17	存储温度 Storage Temperature		1 month	-0°C~45°C
			3 months	-0°C~35°C
			6 months	-0°C~25°C

2、Protection functions (保护功能)

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 circuit module (PCM), which can ensure the safety of this battery in charging and discharging.

PCM的主要功能如下:

The main functions of the BMS are as follows:

- 1) 过充保护
Over charge protection;
- 2) 过放保护
Over discharge protection;
- 3) 温度保护
Temperature protection;
- 4) 过流保护
Overcurrent protection;
- 5) 软件保护板, 带RS485/RS232/CAN通讯功能,支持最大16pcs并联使用, 支持对接逆变器通讯
Software protection board with RS485/RS232/CAN communication function, supporting up to 16pcs parallel use, and supporting communication with inverters
- 6) 带3寸蓝屏(按键屏), 带200A空气开关, 带检修口
Equipped with a 3-inch blue screen (button screen), 200A air switch, and maintenance port
- 7) 200A贯穿式接线柱, 带6A软开关
200A through type terminal, with 6A soft switch

3、Drawing (图纸)

外形尺寸 Dimensions: L666*W483*H267 mm

