

产品方案 512280 横式 (51.2V280Ah 沛城 200A 软件保护板)

Product Plan 512280 Horizontal (51.2V280Ah PACE 200A BMS)

1、规格 (Specifications) 2024.08.7

序号 No.	项目 Items		数值 Value	
1	电芯 Cell		3.2V 280Ah	
	BMS		沛城 16S200A 软件保护板，带 3.2 寸按键蓝屏 PACE 16S200A software protection board with 3.2-inch button blue screen	
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		40V~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	
		最大充电电流 Max Charge Current	140A	
11	标准放电电流 Standard discharge Current		140A	
	最大放电电流 Max discharge Current		200A	
12	内阻 Internal Resistance		≤100mΩ	
13	尺寸 Dimension L*W*H/mm		720L*230W*550H mm(不含把手及滚轮 Excluding handles and rollers) 720L*230W*631H mm(含把手及滚轮 Including handle and roller)	
14	约重 Approx. Weight		≈112Kg	
15	工作温度 Operating Temperature		Charge	0℃~55℃
			Discharge	-20℃~60℃
16	存储温度 Storage Temperature		1 month	-0℃~45℃
			3 months	-0℃~35℃
			6 months	-0℃~25℃

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) **采用沛城16S200A软件保护板**，带蓝牙&WIFI，带RS485/RS232/CAN通讯功能,支持对接逆变器，支持最大16pcs并联使用

Adopting PACE 16S200A software protection board, with Bluetooth&WIFI, RS485/RS232/CAN communication function, supporting inverter docking, and supporting up to 16pcs parallel use

- 6) **带16mm带灯圆按键，带3.2寸按键蓝屏，带检修口**
Equipped with 16mm round button with light, 3.2-inch blue screen button, and maintenance port

- 7) **200A栅栏贯穿式接线柱，200A1P空气开关，带把手及滚轮**
200A fence through terminal post, 200A1P air switch, with handle and roller

2、Diagram（图示）



