

便携式磷酸铁锂电池模组

Portable Lithium Iron Phosphate Battery Pack



静谧安全 Serenity & Security

- 采用磷酸铁锂电芯，热稳定性高、安全耐久
Adopts lithium iron phosphate (LFP) cells with excellent thermal stability, high safety and long service life
- 超低分贝运行，保姆级安全防护
Ultra-low noise operation with comprehensive all-round safety protection



多场景适配 Multi-scenario Adaptability

- 可搭配单相、三相系列逆变器，适配性稳定
Compatible with single-phase and three-phase inverters series, delivering stable adaptability
- 户用场景全覆盖，专属化定制设计
Fully covers residential application scenarios with exclusive customized design



便捷安装 Easy Installation

- 模块化设计，灵活扩容
Modular design supports flexible capacity expansion
- 简易安装，灵活摆放
Simple installation and flexible layout placement



类型 Type	5120Wh	10547Wh	16076Wh
电芯 Cell			
规格型号 (Ah) Model	LFP100	LFP206	LFP314
标称电压 (V) Nominal Voltage		3.2	
标称内阻 (mΩ) Nominal Internal Resistance	≤0.5	≤0.4	≤0.2
串并联方式 Series Parallel Connection Mode		1P16S	
电池组参数 Battery Pack Parameters			
标称电压 (V) Nominal Voltage		51.2	
标称容量 (Ah) Capacity	100	206	314
最低容量 (Ah) Minimum Capacity	≥100	≥206	≥314
充电电压上限 (V) Upper Limit of Charging Voltage		58.4	
放电电压下限 (V) Lower Limit of Discharge Voltage		48.8	
标准充放电电流 Standard Charging and Discharging Current	0.5C(50A)	0.5C(103A)	0.5C(157A)
最大充放电电流 Maximum Charging and Discharging Current	1C(100A)	1C(200A)	0.7C(200A)
充电温度范围 (°C) Charging Temperature Range		0~60	
放电温度范围 (°C) Discharge Temperature Range		-20~60	
储存湿度范围 Storage Humidity Range		≤75%	
出厂SOC Initial SOC		20%~25%	
月自放电量 Monthly Self-discharge Capacity		≤3% (50%SOC, 25°C±2°C)	
尺寸(宽×深×高)(mm) Dimensions(W×D×H)	410×248×571	410×248×790	410×248×930
重量 (kg) Weight	50±0.5	91±0.5	125±0.5
通信接口 Communication		RS232/RS485/CAN	
循环寿命 Cycle Life		6000次, 容量保持率 ≥80% 6000 Cycles, Capacity Retention ≥80%	
IP等级 IP Rating		IP21	
冷却方式 Cooling Method		Forced Air Cooling	
BMS参数 BMS Parameters			
单体过压保护值 (V) Cell Overvoltage Protection Value		3.65	
单体过压释放值 (V) Cell Overvoltage Release Value		3.35	
单体欠压保护值 (V) Individual Undervoltage Protection Value		2.8	
单体欠压释放值 (V) Undervoltage Release		3.15	
短路电流 (A) Short-circuit Current	150	250	250