



机架式储能电池

Rack-mounted energy storage batteries



产品特点 Product Features

- 标准机箱设计, 适配更多场景
Standard chassis design, adaptable to more scenarios.
- 模块化堆叠设计, 满足各种需求
Modular stacking design to meet various needs
- 每节电池配备独立的BMS管理系统, 电池更耐用
Each battery is equipped with an independent BMS management system, and the battery is more durable
- 支持RS485/RS232/CAN等通讯协议, 电池管理更智能
Support RS485/RS232/CAN and other communication protocols, and the battery management is more intelligent



产品介绍 Product Description

支持超6000次深度循环, 寿命长达8年以上, 显著降低全周期使用成本。模块化堆叠式设计, 支持灵活扩容, 标准机箱尺寸, 适配户用、工商业及离网等多场景需求。

集成工业级通讯接口 (RS232/RS485/CAN), 每节电池拥有独立的BMS电池管理系统, 实施电芯级精准监控(过压、过流、温度保护)。LCD显示充电状态、故障代码及能效数据, 操作直观便捷。

It supports more than 6,000 deep cycles and has a service life of more than 8 years, significantly reducing the cost of the whole cycle. The modular stacking design supports flexible expansion and standard chassis size, adapting to the needs of residential, industrial and commercial, and off-grid scenarios.

Integrated industrial-grade communication interface (RS232/RS485/CAN), each battery has an independent BMS battery management system, and implements cell-level accurate monitoring (over-voltage, over-current, temperature protection). The LCD displays the charging and discharging status, fault codes and energy efficiency data, making the operation intuitive and convenient.



电池管理系统
Operational safety



LCD显示屏
LCD display



过压保护
Overvoltage protection



过流保护
Overcurrent protection



过充保护
Overcharge protection



通讯协议
Communication protocols



高次数循环使用
High number of recycling



使用寿命长
Long service life



模块化&堆叠式设计
Modular & stackable design



高等级防护
High level of protection

技术参数

Technical parameters

电池参数 Battery parameters			
产品型号 Product Model	BTRJ48100	BTRJ48200	BTRJ48300
额定电压 Rated voltage	51.2V		
额定能量 Rated energy	5120Wh	10240Wh	15360Wh
输出功率 Output Power	Max: 5.12KW	Max: 10.24KW	Max: 15.36KW
额定容量 Rated capacity	100Ah	200Ah	300Ah
电芯类型 Cell Typ	磷酸铁锂方块电芯(LiFePO4)		
组合方式 Composition	16S1P	16S2P	16S1P
工作电压范围 Working Voltage Rang	43.2-58.4V		
放电保护电压 Discharge protection voltage	43.2V		
充电电保护电压 Charge protection voltage	58.4V		
持续放电电流 Max Discharge Current	100A	200A	200A
持续充电电流 Max Charge Curent	< 100A	< 200A	< 200A
BMS品牌 BMS brand	百维 / Bestway 16S100A	百维 / Bestway 16S200A	
显示屏 Display	按键显示屏 / Button display		
通讯 Newsletter	RS485/RS232/CAN / RS485/RS232/CAN		
兼容逆变器 Inverter compatible	DEYE / Afore / MEGAREVO/SOLIS/Growatt / LUXPOWER/oltronicsGoodwe/SMA/VictronSOROTEC/MUST/etc.		
BMS保护功能 Protection Function	有过充、过放、短路、高低温保护 Overcharge, overdischarge, short circuit, high and low temperature protection		
充电环境温度 Change Temperature	0~45°C		
放电环境温度 Discharge Temperature	-20~65°C		
储存温度 Storage Temperature	-10~45°C		
冷却方式 Cooling Method	自然冷却 Natural Cooling		
设计使用寿命 Design Life	8年/8 years		
循环次数 Number of cycles	6000@25°C/0.5C/80%DOD		
安装方式 Installation	机架式 / Rackmounted		
外观颜色 Exterior color	白色、黑色 / White, Black		
外壳材质 Housing material	钣金烤漆 / Sheet metal baking paint		
产品尺寸 Product size	L455*W442*H175mm	L630*W442*H222mm	L720*W442*H260mm
包装方式 Packaging method	纸箱或木箱 / Carton or wooden case		
包装尺寸 Package size	L550*W550*H200mm	L700*W500*H250mm	L800*W500*H280mm
产品净重 Net weight of the product	44.5KG	84.6KG	113KG
产品毛重 Gross weight of the product	49.5KG	89.6KG	128KG

