



# 移动式家庭储能电池

Mobile home energy storage batteries



## 产品特点 Product Features

- 支持RS485/RS232等通讯协议,可选蓝牙模块,兼容更多品牌逆变器  
Support RS485/RS232 and other communication protocols, optional Bluetooth module, compatible with more brands of inverters
- 移动式设计,安装方便,使用灵活  
Mobile design, easy to install and flexible to use
- 配备家储专用BMS管理系统,电力分配更科学  
Equipped with a special BMS management system for home storage, the power distribution is more scientific
- 多种组合方式,要有多大有多大 5KW/10KW/15KW  
A variety of combinations, free choice 5KW/10KW/15KW

## 产品介绍 Product Description

锂电池组支持超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。移动式设计使用更灵活方便,适配户用、工商业等多场景需求。

集成工业级通讯接口(RS232/RS485)与蓝牙无线传输,配合智能BMS电池管理系统,实施电芯级精准监控、过压/过流/过充保护等多重安全防护)。LCD触摸屏实时显示充放电状态、故障代码及能效数据,操作直观便捷。

The lithium battery pack 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 mobile design is more flexible and convenient to use, and adapts to the needs of residential, industrial and commercial scenarios.

Integrated industrial-grade communication interface (RS232/RS485) and Bluetooth wireless transmission, with intelligent BMS battery management system, the implementation of cell-level accurate monitoring, over-voltage/over-current/overcharge protection and other multiple safety protection). The LCD touch screen displays real-time charging and discharging status, fault codes and energy efficiency data, making the operation intuitive and convenient.



过充保护  
Overcharge protection



电池管理系统  
Operational safety



高等级防护  
High level of protection



过压保护  
Overvoltage protection



过流保护  
Overcurrent protection



LCD显示屏  
LCD display



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



移动式&整体化设计  
Mobile & Integral Design

## 技术参数

Technical parameters

电池参数 Battery parameters			
产品型号 Product Model	BTRYD48100	BTRYD48200	BTRYD48300
额定电压 Rated voltage	51.2V		
额定能量 Rated energy	5120Wh	10240Wh	15360Wh
输出功率 Output Power	5.12KW	10.24KW	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		
工作电压范围 Working Voltage Rang	43.2-58.4V		
放电保护电压 Discharge protection voltage	43.2V		
充电保护电压 Charge protection voltage	58.4V		
持续放电电流 Max Discharge Current	100A	150A	200A
持续充电电流 Max Charge Curent	< 100A	< 150A	< 200A
BMS品牌 BMS brand	百维 / Bestway 16S100A	百维 / Bestway 16S200A	
显示屏 Display	LCD液晶显示屏 / LCD Display		
通讯 Newsletter	RS485/RS232/CAN/蓝牙APP / RS485/RS232/CAN/Bluetooth APP		
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/过 Overcurrent,Overvoltage,Overcharging,Overdischarge,Short Circuit,Overtemperature,etc		
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	L500*W200*H500mm	L500*W240*H650mm	L500*W280*H800mm
包装方式 Packaging method	纸箱或木箱 / Carton or wooden case		
包装尺寸 Package size	L580*W260*H580mm	L580*W300*H730mm	L580*W360*H880mm
产品净重 Net weight of the product	46KG	86KG	115KG
产品毛重 Gross weight of the product	52KG	93KG	123KG

