



# 钠离子 - 壁挂式家庭储能电池

Sodium-ion - Wall-mounted home energy storage battery



## 产品特点 Product Features

- 卓越的低温性能, 工作范围-40°C至80°C  
Superior low-temperature performance with an operating range of -40°C to 80°C
- 深度循环寿命长, 耐过放, 使用寿命长  
Long deep cycle life, over-discharge resistance, and long service life.
- 安全性能高, 短路、挤压、冲击不起火不爆炸  
High safety performance, short circuit, extrusion, impact will not ignite and no explosion
- 配备钠电池专用BMS管理系统, 电池更耐用  
Equipped with a special BMS for sodium batteries, the battery is more durable



## 产品介绍 Product Description

专为各类低温用电需求场景设计, 电池采用高能量密度的3C高倍率钠电芯, 以及钠电池专用BMS, 拥有卓越的低温性能, 电池工作范围-40°C至80摄氏度, 弥补了铅酸电池在低温环境中不能正常工作的短板, 使用寿命远超铅酸电池, 拥有良好的安全性能: 短路、挤压、冲击不起火不爆炸, 彻底告别低温用电焦虑。

壁挂式设计更节省空间, 适配户用、工商业及离网等多场景需求, 实时显示充放电状态、故障代码及能效数据, 操作直观便捷。

Designed for various low-temperature power demand scenarios, the battery adopts 3C high-rate sodium cells with high energy density, as well as a special BMS for sodium batteries, with excellent low-temperature performance, the operating range of the battery is -40°C to 80 degrees Celsius, making up for the shortcomings of lead-acid batteries that cannot work normally in low-temperature environments, and the service life far exceeds that of lead-acid batteries, with good safety performance: short circuit, extrusion, impact does not catch fire and does not explode, completely bid farewell to low-temperature electricity anxiety. The wall-mounted design is more space-saving, adapting to the needs of multiple scenarios such as household, industrial and commercial, and off-grid, and displays charging and discharging status, fault codes, and energy efficiency data in real time, making the operation intuitive and convenient.

- 电池管理系统  
Operational safety
- 蓝牙APP  
Bluetooth app
- 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
- 宽温域范围  
Wide temperature range
- LCD显示屏  
LCD display
- 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	BTRBG48210-NA
额定电压 Rated voltage	48V
额定能量 Rated energy	10080Wh
输出功率 Output Power	10.08KW
额定容量 Rated capacity	210Ah
电芯类型 Cell Typ	钠离子电芯(Sodium-ion cells)
组合方式 Composition	16S1P
工作电压范围 Working Voltage Rang	36.8-53.6V
放电保护电压 Discharge protection voltage	32V
充电保护电压 Charge protection voltage	54.4V
持续放电电流 Max Discharge Current	200A
持续充电电流 Max Charge Curent	< 200A
BMS参数 BMS parameters	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、高低温保护 Overcharge, overdischarge, short circuit, high and low temperature protection
充电环境温度 Change Temperature	-10~55°C
放电环境温度 Discharge Temperature	-40~60°C
储存温度 Storage Temperature	-10~35°C
冷却方式 Cooling Method	自然冷却 Natural Cooling
设计使用寿命 Design Life	6年/6 years
循环次数 Number of cycles	≥2000@25°C/0.5P/1000%DOD
安装方式 Installation	壁挂式 / Wall-mounted
外观颜色 Exterior color	白色 / White
外壳材质 Housing material	钣金烤漆 / Sheet metal baking paint
产品尺寸 Product size	L730*W450*H285mm
包装方式 Packaging method	木箱 / wooden case
包装尺寸 Package size	L800*W505*H340mm
产品净重 Net weight of the product	110KG
产品毛重 Gross weight of the product	120KG

