



# 房车储能锂电池

RV energy storage lithium battery



### 痛点

1. 用电续航焦虑：夏日不敢畅享空调，冬日无法温暖过夜？
2. 冬季无法使用 无法随时随地畅快用电？
3. 安全隐患：电池事故让您提心吊胆？
4. 维护困难，故障无预警：无法掌握电池情况，心存疑虑？

1. Power anxiety – Too afraid to run A/C in summer, can't stay warm at night in winter?
2. Winter unusability – Can't enjoy electricity freely whenever and wherever you need it?
3. Safety worries – Are battery accidents constantly on your mind?
4. Maintenance headaches & no alerts – No visibility into battery health, leaving you uneasy?

- 内置电池管理模块，安全高效
- 结构紧凑，最小化占用空间
- 长寿命，全新A级电芯，持久耐用
- 手机APP监控：实时查看电压、电流、电量、温度
- 参数自定义：可根据需求灵活设置工作参数
- 历史数据记录：循环次数、故障记录一目了然
- 激光焊接工艺：极其牢固且电阻极低，带来更长使用寿命和更稳定输出性能
- 4.3寸彩色显示屏：单屏支持最多5组并联数据显示
- RS485/CAN：可接受设备通讯协议定制
- 质保：标准工况10年使用寿命，支持超长五年质保

### 舒心

1. 超大容量&稳定放电：告别电量焦虑，电器随心用
2. 低温加热技术(选配)：扩展了房车的旅行季节和地域
3. 全方位安全防护：使用全新A级磷酸铁锂，激光焊接工艺，内置智能BMS，守护安全
4. 4G远程，蓝牙功能(标配)：使电池成为可视化，可感知的智能设备

1. Ultra-high capacity & stable discharge – Say goodbye to power anxiety, use appliances freely.
2. Low-temperature heating technology (optional) – Extends the travel seasons and regions for your RV.
3. Comprehensive safety protection – Brand new Grade A LiFePO<sub>4</sub> cells, laser welding process, built-in intelligent BMS – keeping you safe.
4. 4G remote & Bluetooth function (standard) – Turns the battery into a visible, perceptible smart device.

- Built-in battery management module – safe and efficient
- Compact structure – minimizes occupied space
- Long service life – brand new Grade A cells – durable and long-lasting
- Mobile APP monitoring – real-time view of voltage, current, capacity, and temperature
- Customizable parameters – flexible setting of operating parameters according to needs
- Historical data logging – cycle counts and fault records at a glance
- Laser welding process – extremely robust with ultra-low resistance, delivering longer lifespan and more stable output performance
- 4.3-inch color display – supports parallel data display for up to 5 units on a single screen
- RS485 / CAN – accepts custom communication protocol for equipment
- Warranty – 10-year service life under standard operating conditions; supports extended 5-year warranty

房车储能锂电池技术参数表  
Technical Data Sheet for RV Lithium Energy Storage Battery

房车储能锂电池技术参数表 Technical Data Sheet for RV Lithium Energy Storage Battery													
电气性能	Electrical Performance												
额定电压	Nominal Voltage	12.8V4S (12V)					25.6V8S(24V)			51.2V16S (48V)			
额定容量Ah	Nominal Capacity	300	400	600	800	900	200	300	400	100	200	300	
额定电量Wh	Nominal Energy	3840	5120	7680	10240	11520	5120	7680	10240	5120	10240	15360	
电池材料	Battery Material	磷酸铁锂(LiFePO <sub>4</sub> )											
BMS管理系统	BMS System	2026-AI智能软件型电池管理系统AL-3.0(BMS) 2026-AI Intelligent Software-Type BMS AL-3.0											
充电电压	Charging Voltage	14.40V±0.02V (CC/CV)					28.80V±0.02V (CC/CV)			57.60V±0.02V (CC/CV)		3.6V	
持续充电	Continuous Charging	≤150A	≤200A	≤200A	≤200A	≤200A	≤100A	≤150A	≤200A	≤50A	≤100A	≤150A	
持续放电	Continuous Discharging	≤150A	≤200A	≤200A	≤200A	≤200A	≤100A	≤150A	≤200A	≤50A	≤100A	≤150A	
峰值放电	Peak Discharging	≤450A	≤600A	≤600A	≤600A	≤600A	≤300A	≤450A	≤600A	≤150A	≤300A	≤450A	5S
瞬间放电	Instantaneous Discharging	≤450A	≤600A	≤600A	≤600A	≤600A	≤300A	≤450A	≤600A	≤150A	≤300A	≤450A	5S
过充电压	Overcharge Voltage	14.40V					28.80V			57.60V		3.6V	
过放电压	Overdischarge Voltage	10.80V					21.60V			43.20V		2.7V	
均衡电流	Balancing Current	80~100mA											
充电温度	Charging Temperature	0°C ~ +50°C											
放电温度	Discharging Temperature	-20°C ~ +55°C											
短路保护	Short Circuit Protection	1200uS (MOS)											
接线柱	Connection Post	M8接线柱 M8 Terminal											
通讯协议	Communication Protocol	支持Canbus/RS485协议 Supports CANbus / RS485 Protocol											2 or 1
数据通讯	Data Communication	4G远程、蓝牙 4G Remote, Bluetooth											标配 Standard
外壳	Enclosure	钣金烤漆 Powder Coated Sheet Metal											
显示器	Display	4.3寸彩色显示屏 4.3-inch Color Display											选配 Optional
其他功能	Other Functions	低温加热 Low-Temperature Heating											选配 Optional
充放电口	Charge/Discharge Port	同口 Same Port											
尺寸	Dimensions	详情咨询，接受免费定制! For details, please inquire. Free customization is accepted!											+1.5mm
重量KG	Weight (kg)	28	40	50	75	85	40	50	75	40	75	95	+1.5kg