



# 储能逆控一体机

All One Energy Storage Battery System



## 产品特点 Product Features

- 多种组合方式, 一站式家庭解决方案 逆变器可选5KW/10KW/15KW  
A variety of combinations, one-stop home solution The inverter can choose 5KW/10KW/15KW
- 模块化设计、智能切换, 采用5Kwh/节的堆叠设计, 满足各种需求  
Modular design, intelligent switching, and 5Kwh/knot stacking design to meet various needs
- 每节电池配备独立的BMS管理系统, 电力分配更科学  
Each battery is equipped with an independent BMS management system, and the power distribution is more scientific
- 支持RS485/RS232等通讯协议, 可选蓝牙模块, 电池管理更智能  
Support RS485/RS232 and other communication protocols, optional Bluetooth module, battery management is more intelligent

## 产品介绍 Product Description

采用高效MPPT太阳能充电技术, 最大化捕获光伏能量, 提升可再生能源利用率。锂电池组支持超5000次深度循环, 寿命长达10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, 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) 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、主动均衡与三重安全防护 (过压/过流/温度保护)。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 high-efficiency MPPT solar charging technology is used to maximize the capture of photovoltaic energy and improve the utilization rate of renewable energy. The lithium battery pack supports more than 5,000 deep cycles and has a service life of more than 10 years, significantly reducing the cost of the whole cycle. The modular stacking design supports flexible capacity expansion and adapts to the needs of multiple scenarios such as residential, industrial and commercial, and off-grid.

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



纯正弦波  
Pure sine wave



电池管理系统  
Operational safety



MPPT太阳能充电  
MPPT solar charging



过压保护  
Overvoltage protection



过流保护  
Overcurrent protection



过充保护  
Overcharge 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



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

逆变器参数 Inverter parameters			
额定功率 Rated power	6.2KW	11KW	15KW
交流额定电压 AC voltage rating	230VAC		
可选电压范围 Selectable voltage range	90-280VAC		
频率范围 Frequency range	50Hz/60Hz		
交流电压 AC voltage	230VAC±5%		
效率 Efficiency	93.50%		
转换时间 Conversion time	10ms		
波形 Waveform	正弦波 Sinusoid		
蓄电池额定电压 Battery rated voltage	51.2V		
电池电压范围 Battery voltage range	43.2V-57.6V		
最带光伏阵列开路电压 Most with PV array open-circuit voltage	500VDC		
最带光伏阵列功率 Maximum PV array power	6200W	11000W	15000W
MPPT范围@运行电压 MPPT range @ operating voltage	120-450VDC	120-450VDC	120-450VDC
最大输出电流 Maximum output current	26.9A	47.8A	65.2A
最大充电电流 Maximum charging current	100A	150A	200A
电池参数 Battery parameters			
额定能量 Rated energy	5120Wh	1024Wh	1536Wh
额定容量 Rated capacity	100Ah	200Ah	300Ah
BMS品牌 BMS brand	Bestway 16S100A	Bestway 16S200A	
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		
充电电流 Charging current	100A	200A	
最大充电电流 Maximum charging current	1C@25°C		
最大放电电流 Maximum discharge current	1C@25°C		
通信接口 Communication interfaces	RS485/RS232/CAN		
循环次数 Number of cycles	6000@25°C/0.5C/80%DOD		
工作温度范围 Operating temperature range	充电Charge: 0°C~50°C 放电Discharge: -10°C~60°C		
产品尺寸 Product size	根据需求确定 / Determine according to the demand		
包装方式 Packaging method	纸箱或木箱 / Carton or wooden case		
包装尺寸 Package size	根据需求确定 / Determine according to the demand		
产品净重 Net weight of the product	根据需求确定 / Determine according to the demand		
产品毛重 Gross weight of the product	根据需求确定 / Determine according to the demand		

