EMS

昆宇电源
COSPOWERS

易运维
集成EMS设计
支持通过本地显示屏控制
与云端平台远程控制

智能监控
实时远程智能监控

削峰填谷
支持削峰填谷功能设置

参数/型号	EMS
通信接口	具备RS232、CAN、RS485通信功能。
锂电池通信	采集智能锂电池数据，包括电池总电压、电芯电压、电芯温度、充放电电流、SOC（荷电状态）、SOH（健康状态）等；采集智能锂电池告警信息，包括电芯电压告警与保护、电芯温度告警与保护、电池电流告警与保护等。
人机界面显示	实时显示系统信息、充放电状态及单体电池状态；支持通过人机界面（HMI）配置SBMS参数。
电池电量计算功能	内置电表功能，接收电表采集的电流、总电量等信息，用于电费计算。
进入检测	EMS预留开关量输入接口供外部使用，用于接收外部控制信号、消防信号等，可自定义功能。（预留）
开启检测	EMS通过继电器控制外部设备，如空调、风机等，可自定义控制逻辑。（预留）
监控平台	通过以太网连接服务器，实现对设备的远程监控。
历史存储功能	EMS内置SDNAND数据存储功能，可通过外部USB接口读取收益数据以供查看。存储周期可设置，存储数据包括正向/反向电量、电价及各时段峰谷收益。
削峰填谷控制功能	智能识别峰谷时段，结合不同时段电价，智能控制电池主动充放电，实现电费收益最大化。

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EMS

COSPOWERS

Easy Maintenancee

Integrated EMS design, supporting local control via the display and remote control through the cloud platform

Intelligent Monitoring

Real-time Remote Intelligent Monitoring

Peak shaving and valley filling

Support peak shaving and valley filling settings.

Parameters/Model	EMS
Communication Interface	Equipped with RS232, CAN, and RS485 communication capabilities.
Communication with Lithium Batteries	Collects data from smart lithium batteries, including total battery voltage, cell voltage, cell temperature, charge/discharge current, State of Charge (SOC), State of Health (SOH), etc.; collects alarm information from smart lithium batteries, including cell voltage alarms and protection, cell temperature alarms and protection, battery current alarms and protection, etc.
HMI Display	Displays system information, charge/discharge status, and individual battery status in real-time; supports configuration of SBMS parameters via the HMI.
Battery Charge Calculation Function	Built-in energy meter function, receiving current, total energy consumption, and other information collected by the meter for electricity cost calculation.
Entry detection	EMS provides reserved digital input interfaces for external use, enabling the reception of external control signals, fire protection signals, etc., with customizable functions.(Reserved)
Open detection	EMS controls external devices such as air conditioners and fans via relays, with customizable control logic. (Reserved)
Monitoring Platform	Connects to servers via Ethernet to enable remote monitoring of the equipment.
History Storage Function	EMS features built-in SDNAND data storage, allowing revenue data to be read via an external USB interface for review. The storage period is configurable, and stored data includes forward/reverse energy, electricity prices, and peak/valley revenue at different time intervals.
Peak shaving and valley filling control function	Intelligently identifies peak and valley periods, combined with varying electricity prices at different times, to intelligently control active battery charging and discharging, maximizing electricity cost savings and revenue.