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.

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