CR-5

COSPOWERS

Rack Mounted Energy Storage Battery

1. Minimalist design, elegant and beautiful, with protection level of IP20
2. Supports multiple battery modules in parallel, up to 16 modules
3. Support the expansion of LCD display and control functions
4. Support wall-mounted and floor-mounted installation, matching a variety of scenes

Parameters/ Model		CR-5
Battery Parameters	Rated Voltage	51.2V
	Voltage Range	43.2~56.8V
	Capacity	5120Wh
	Maximum Charge/Discharge Ratio	0.5C/1C
	Battery Type	LFP
	Number of Parallel Connection	16 Modules
Operating Condition	Charging Temperature Range	6~54°C
	Discharge Temperature Range	-15~60°C
	Humidity	5~95%
	Heat Dissipation Method	Natural Cooling
	Weight	43Kg
	Dimensions (W*D*H)	440*131*460mm
	Installation	19-inch standard cabinet
	Communication Method	CAN/RS485
Other Parameters	Matching Inverter	Pylon, Growatt, SRNE Solar, Goodwe, Solis, Pengcheng, Voltronic, Victron, Sorotek, Schneider, SMA, Must, TBB, STUDER
Protection Functions	Voltage	Battery pack overvoltage protection, cell overvoltage protection, battery pack undervoltage protection, cell undervoltage protection
	Current	Charging overcurrent protection, discharging overcurrent protection
	Temperature	Charging over-temperature protection, discharging over-temperature protection, charging under-temperature protection, discharging under-temperature protection
Other Functions	Cell and Battery Pack Voltage Detection	Single-cell voltage detection accuracy: ±5mV under conditions of -10°C to 50°C, and ±10mV under other conditions
	Battery Pack Charge/Discharge Current Detection	Continuous charge/discharge current: 100A, current detection accuracy better than 1.5%
	Cell, Ambient, and Power MOS Temperature Detection	Six-channel temperature monitoring: 4 channels for cell temperature detection, 1 channel for ambient temperature detection, 1 channel for MOS temperature detection, with a temperature detection accuracy of ±2°C
	LED Status Indicator	Six LEDs indicate battery remaining capacity, operating mode, and alarm/protection status
	Battery Management Parameter Configuration	Battery management parameters such as cell over/undervoltage, total battery pack over/undervoltage, charging overcurrent, discharging overcurrent, cell high/low temperature, ambient high/low temperature, balancing strategy, number of battery cells in series, battery capacity, etc., can be reconfigured via the host computer
	Data Storage Function	The BMS system can be configured to enable real-time storage of operational data for system monitoring, analysis, and maintenance. EEPROM: supports up to 1,000 historical records. FLASH: supports up to 30,000 historical records (this large-capacity storage function is optional)
	Dry Contact	Dry contact 1: alarm output can be set via software as required; Dry contact 2: fault signal output can be set via software as required
	Heating Function	Equipped with a low-temperature heating function for the battery, with secondary protection for the heating circuit to completely disconnect the heating film in case of abnormal heating circuit conditions. Heating film current does not exceed 5A
	WiFi Function (Optional)	Cost-effective Bluetooth 5.2 and Wi-Fi 802.11b/g/n support both AP and STA dual-role connectivity, with support for low-power Bluetooth connections, making it ideal for low-traffic control and data acquisition applications such as smart homes and industrial control. The module integrates an ultra-highly integrated microcontroller for Wi-Fi and Bluetooth, providing the necessary computing power and stable Wi-Fi and Bluetooth connectivity for IoT data terminals. It offers Bluetooth connectivity to a mobile APP for Wi-Fi connection setup, allowing customers to view the battery's current status and information on a webpage. Additionally, the battery can be upgraded remotely via the Wi-Fi platform.

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