

51.2V 100Ah Lithium-ion Rack Battery



Safety Assurance

Compliant with UL9540A requirements, ensuring the safety of the entire battery pack even in the event of battery cell thermal runaway.



Remote Connectivity

Enables WiFi connection and cloud platform support for remote monitoring and management of the battery pack.



Remote Upgrade

Supports OTA remote online upgrade, ensuring ongoing support for future product function expansion and optimization.



Compact Size and Easy Installation

The module design enables quick installation.



Expandable at Need

Units can be combined to increase energy capacity.



Systematic Safety Design & Technologies

Multi-stage protection design enhances the safe storage; meets the standards of international safety certifications.



High Energy Density

The compact structure achieves market-leading energy density.

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Product Parameters

Model	RESS-BM-051100-RL1
Rated Voltage	51.2V
Rated Capacity	100Ah
Total Energy	5.12kWh
Charge Voltage	57.6V
Max. Charge/Discharge Current	100A Charge; 125A/5kW Discharge
Recommended Charge/Discharge Current	50A
Dimensions (W*D*H)	440*420*130.5mm
Weight	45kg
Cycle	>7000cycles
IP Grade	IP20
Charge Operating Temperature	-10°C~55 °C ^[1]
Discharge Operating Temperature	-10°C~55 °C ^[2]
Relative Humidity	0%RH ~ 95%RH
Communication Port	RS485,CAN
Certification	CE, IEC62619, UN38.3, UL1973, UL9540A, RoHS

[1] Derating occurs between -10°C~10°C.

[2] Derating occurs between -10°C~0°C, 45°C~55°C.

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