

# 51.2V 100Ah Energy Storage 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.

# TECHNICAL DATA

|  |   |
|--|---|
| Model                                    | RESS-BM-051100-RL1                          |
| Rated Voltage [V]                        | 51.2  |
| Rated Capacity [Ah]                      | 100   |
| Total Energy [kWh]                       | 5.12  |
| Charge Voltage [V]                       | 57.6  |
| Max. Charge/Discharge Current            | 100A Charge; 125A/5kW Discharge             |
| Recommended Charge/Discharge Current [A] | 50  |
| Dimensions [W*D*H, mm]                   | 440*420*130.5                               |
| Weight [Kg]                              | 45  |
| Cycle                                    | >6000cycles                                 |
| IP Grade                                 | IP20  |
| Charge Operating Temperature             | -10°C~55 °C*                                |
| Discharge Operating Temperature          | -10°C~55 °C**                               |
| Relative Humidity                        | 0%RH-95%RH                                  |
| Communication Port                       | RS485,CAN                                   |
| Certification                            | CE, IEC62619, UN38.3, UL1973, UL9540A, RoHS |

\*Derating occur between -10°C~10°C.

\*\*Derating occur between -10°C~0°C, 45°C~55°C.

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