

51.2V 100Ah Energy Storage Battery



Multiple Inverter Compatibility

Compatible with a variety of leading hybrid inverters.

Smart BMS

Advanced Battery Management System (BMS) for enhanced safety and efficiency.

High Energy Density

The compact structure achieves market-leading energy density.

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.

TECHNICAL DATA

Model	RESS-BM-048100-L0	RESS-BM-051100-L0
Rated Voltage (A)	48	51.2
Rated Capacity (Ah)	100	100
Total Energy (kWh)	4.8	5.12
Charge Voltage (V)	54	57.6
Max. Charge/Discharg Current (A)	100	100
Recommended Charge/Discharge Current (A)	50	50
Dimensions (L*W*H, mm)	442*400*130	442*400*130
Weight (Kg)	36	38
Cycle	>4400cycles	
IP Grade	20	
Charge Operating Temperature	0°C~50°C*	
Discharge Operating Temperature	-10°C~55°C**	
Relative Humidity	0%RH-95%RH	
Communication Port	RS485, RS232, CAN	
Certification	CE, IEC62619, UN38.3, RoHS	

*Derating occure between-10°C~10°C.

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

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