

SIEKON



Energy Storage Lithium Battery RM Classics-RM1



Leading Built-in BMS

Embedded smart balancing and monitoring modules, resulting in a longer battery lifespan and faster emergency response capability



Grade A Cells

Higher performance and a lifespan 3-5 years longer than B-grade cells



LFP Material

Better stability, safety, and lifespan compared to other types of active material



Mainstream Inverters Support

Compatible with almost all mainstream inverters available in the market



Versatile Applications

Can be integrated into different solutions, including off-grid, on-grid and hybrid-grid solar systems



Flexible Modular Installation

Easy to install and supports parallel connection of up to 16 battery packs, meeting various capacity needs

Specification

Model	RL-RM1-48V100	RL-RM1-51.2V100
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Basic Parameters

Rated Energy	4.8kWh	5.12kWh
Nominal Voltage	48V	51.2V
Rated Capacity	100Ah	100Ah

Operating Parameters

End-of-charge Voltage	54V	57.6V
End-of-discharge voltage	42V	43.2V
Standard charge Current	50A	50A
Max Charge Current	100A	100A
Standard Discharge Current	50A	50A
Max Discharge Current	100A	100A
Max Peak Current	200A	200A
Efficiency	>98%	

Physical

Shell Material/ Color	Metal/Black, White (color optional)	
Size/mm	480*442*155	480*442*155
Weight/kg	45	47

Service Life

Cycle Life	>6000 times (0.2C, @25°C, 80%DOD)
Design Life	>10 years

Others

Work Temperature Range	Charge: 0°C-60°C / Discharge: -20°C-60°C
Communication	RS485/CAN
Chemical System	LiFePO ₄ (LFP)

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