



Energy Storage Lithium Battery WM Classics-WM3



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-WM3-48V100	RL-WM3-51.2V100
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	150A	150A
Efficiency	>97%	>97%
Physical		
Shell Material/ Color	Metal/Grey (color optional)	Metal/Grey (color optional)
Size/mm	510*475*160	510*475*160
Weight/kg	48	45.6
Service Life		
Cycle Life	>6000 times (0.2C, @25°C, 80%DOD)	
Design Life	>10 years	
Others		
Work Temperature Range	Charge: -5°C-65°C Discharge: -20°C-70°C	
Communication	RS485/CAN	
Chemical System	LiFePO ₄ (LFP)	

Content correspond to the current state of technology at the time of printing. All information is without guarantee in spite of careful editing - liability excluded.