



Lithium WM 51-200

Lithium Ion Technology



10 Year Warranty



Designed to last 15 years



Maximum Usable
Capacity 10.14
kWh



99% DoD Under Warranty



Intelligent BMS
communicates with major
inverter brands

15

YEAR DESIGN LIFE

99%

DoD UNDER
WARRANTY

1C

100Ah MAX DISCHARGE

16 Cell

TECHNOLOGY

HIGH CYCLE LIFE

>6 000 CYCLE @ 80% DoD @ 25°

Mechanical Characteristics

Weight	Approx. 91Kg
Package Material	Black Powder Coat Carbon Steel (Q235A)
Dimensions	500mm x 620mm x 245mm
Communication Ports	RS485; RS232; CAN
Accessories	Included: Parallel Cables, Cabinet Bolts, 25mm/35mm/50mm Cable Dry Contact Jockey, Pack, Custom Comms Cable Manual, UART Cables to suit your inverter (RS232 & RS485)

Features

Intelligent BMS Features	Autonomous Cell Balancing, Real Time Value Updates via comms, Cycle Counter, Anti-Theft Feature, Various Protection Mechanisms, Remote Firmware Updates Possible
Real Time Protection Features	Over-Charge, Over-Discharge, Over-Temperature, Reverse Polarity, Anti-Theft, BMS able to trip MCB in Emergency
Warranty	10 Years
Maintenance	Easy maintenance with SOC (charge status) and SOH (health status) detection

Electrical Characteristics

Rated Capacity	200Ah	
Nominal Voltage	51.2V	
Nominal Energy	10240Wh	
Maximum Discharge Voltage	43.2V (99% DoD)	
Maximum Charge Voltage	57.6V (0% DoD)	
Maximum Charge Current	100A @ 25°C	
Maximum Discharge Current	200A @ 25°C	
Parallel Capability	15 Units	
Operating Temperatures	Charge / Discharge: 0°C to 60°C	Storage: -20°C to 60°C
Cycle Life	>6000 @ 25°C 80% DoD (±15 years)	
Cell Design	16x 3.2V Prismatic Lithium Iron Phosphate (51V nominal)	

Constant discharge

51.2V LFELI-48200W2 model	Constant current discharge at 25°C	Constant power discharge at 25°C
200A	1 hours	10240W
100 A	2 hours	5120W
66 A	3 hours	3379W
40A	5 hours	2048W
10A	10 hours	1024W

User Defined Settings

Low DC Cut-Off @ 99% DoD	43.2V
Low DC Cut-Off @ 90% DoD	44V
Low DC Cut-Off @ 80% DoD	46V
Bulk Charge	57.6V
Float Charge	54.0V

