



# CMLB-51.2-100WM

# CMLB-51.2-200WM



**LITHIUM-ION BATTERY**

### PRODUCT KEY FEATURES

- 👑 High-performance LFP single cell with long life and wide temperature range
- 👑 Compact, lightweight design with high energy density
- 👑 Built-in BMS for monitoring voltage, current, and temperature
- 👑 Fire-redundant wiring and laser welding for enhanced safety
- 👑 LED indicator for SOC and operational status
- 👑 CAN or RS485 communication for seamless inverter integration
- 👑 15+ years of design life
- 👑 Flexible customization of dimensions
- 👑 Customizable dimensions and maintenance-free operation
- 👑 LCD display for real-time battery data (voltage, temperature, SOC)



## Technical Data

ITEM		SPECIFICATIONS		CONDITIONS
MODEL NAME		CMLB-51.2-100WM	CMLB-51.2-200WM	
Nominal	Voltage	51.2	51.2V	25°C, 0.2C
	Capacity	100AH	200Ah	
Module weight		44.5	89	±1kg
Dimensions, W*D*H (mm)		550*400*178	455*750*230	±2mm
Operating parameters	Charging voltage	56.0V ~ 57.0V	56.0V ~ 57.0V	Recommended 50A for 100Ah and 100A for 200Ah
	Discharging voltage	44.8V	44.8V	
	Charging current	Max. constant charge: 100A	Max. constant charge: 200A	
	Discharging current	Max. constant charge: 100A	Max. constant charge: 200A	
Temperature	Charge range	0°C to 50°C	0°C to 50°C	
	Discharge range	-20°C to 55°C	-20°C to 55°C	
	Storage range	-20°C to 55°C	-20°C to 55°C	
BMS	Built-in BMS	Voltage, current, temperature management & cell balance	Voltage, current, temperature management & cell balance	RS485, CAN communication
Service life	Design life	>15years	>15years	25°C
	Cycle life	>8000 times, 0.5C, 50%DOD	>8000 times, 0.5C, 50%DOD	
Parallel capacity		Yes	Yes	Max 16pcs

Product specifications are subject to change without further notice.

### BATTERY MODULE PERFORMANCE CURVE

