

**5
YEARS
WARRANTY**
Terms & Conditions Apply

**CMLB-51.2-100
CMLB-51.2-230**

LITHIUM IRON PHOSPHATE (LIFEPO4) 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, designed service life
- Flexible customization of dimensions
- Customizable dimensions and maintenance-free operation
- LCD display for real-time battery data (voltage, temperature, SOC)



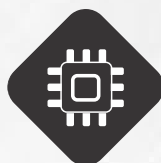
Integrated



Safe



Smart



Versatile



Battery
Management
System



User-friendly



Easy Installation

Technical Data

Model		CMLB-51-100-WM	CMLB-51-230
Nominal voltage (VDC)		51.2	51.2
Nominal capacity (kwh)		5.12KW	11.77KW
Usable capacity (Kwh)		5.12KW	11.77KW
Dimension, W*D*H (mm)		445*580*178	455*740*234
Weight (kg)		52	99
Depth of discharge		95%	95%
Charge / discharge (A)	(Normal)	50A	100A
	(Max.)	100A	200A
	(Peak)	>115A (1s), ≥120A (Delay 1s) ≥200A (Delay 1s)	>210A (1s), ≥220A (Delay 1s) / ≥300A (Delay 1s)
Voltage	(Max.)	56.8V	56.8V
	Low Cut off	44.0V	44.0V
Communication port		RS485, CAN	RS485, CAN
Cell in single string quantity (pcs)		16	16
Working temperature / (C) charge		0C ~ 60C	0C ~ 60C
Working temperature / (C) Discharge		>-10C ~ <65	>-10C ~ <65
Storage temperature		-20C ~ 55C	-20C ~ 55C
Short circuit current/ Duration time (A)		1000A 0.3ms	2000A 0.3ms
IP rating		IP-30 (dustproof)	IP-30 (dustproof)
Humidity (RH)			
Altitude (m)		< 2000m	< 2000m
Designee life (@25 C)		15 Years	15 Years
Cycle life (@25 C)		>6000 times, 0.5C, 95%DOD	>6000 times, 0.5C, 95%DOD
Status instigators		LCD, LED level	LCD, LED level
Protections		Over discharge, Over voltage, Over temperature	Over discharge, Over voltage, Over temperature

Product specifications are subject to change without further notice.

BATTERY MODULE PERFORMANCE CURVE

