

**5
YEARS
WARRANTY**

Terms & Conditions Apply

CMLB-51.2-100

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

CROWN



BAT ALB VOL TEM SOC

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)



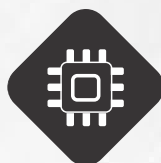
Integrated



Safe



Smart



Versatile



BMS
Battery
Management
System



User-friendly



Easy Installation

Technical Data

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

Product specifications are subject to change without further notice.

BATTERY MODULE PERFORMANCE CURVE

