

3 YEARS WARRANTY
Terms & Conditions Apply

CMLB-12.8V-100
CMLB-12.8V-200

LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY



PRODUCT KEY FEATURES

- Safe lithium battery technology
- Lithium-iron phosphate battery (LiFePO4)
- ECO friendly
- Special protection plate
- Support series & parallel use
- Multiple safety protections
- Intelligent balancing function
- 15 years, designed service life
- Built-in BMS system
- IP65 protection

Integrated | Safe | Smart | Versatile | Battery Management System | User-friendly | Easy Installation

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CMLB-12.8V-100
CMLB-12.8V-200

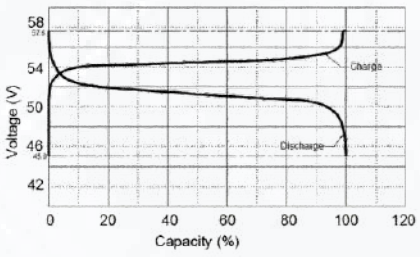
Technical Data

Model		CMLB-12.8V-100	CMLB-12.8V-200
Nominal voltage (VDC)		12.8V	25.6V
Nominal capacity (kwh)		1.28KW	2.56KW
Usable capacity (kwh)		1.28KW	2.56KW
Dimension, W*D*H (mm)		307*169*208	520*240*220
Weight (kgs)		9.8	19
Depth of discharge		95%	95%
Charge / Discharge (A)	(Normal)	50A	100A
	(Max.)	100A	200A
	(Peak)	>120A (5s), ≥ 330A (Delay 1s)	>210A (5s), ≥ 760A (Delay 1s)
Voltage	(Max.)	15V	15V
	Low cut off	10V	10V
Communication port		none	none
Cell in single string quantity (pcs)		4	2
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)		1320A	2400A
IP rating		IP65	IP65
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		none	none
Protections		Over discharge, Over voltage, Over temperature	Over discharge, Over voltage, Over temperature

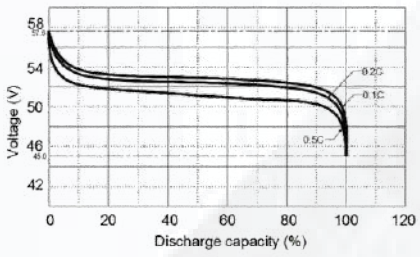
Product specifications are subject to change without further notice.

BATTERY MODULE PERFORMANCE CURVE

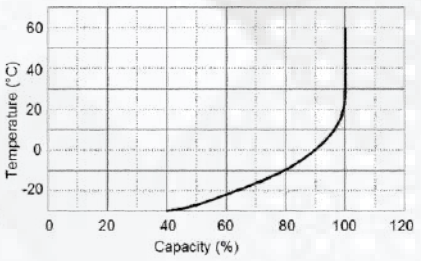
Charge & Discharge curve with 0.5C @ 25°C



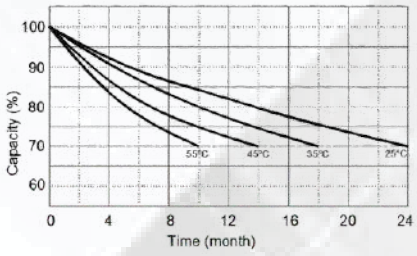
Discharge perfomance with different rate @ 25°C



Discharge capacity with different temperature @ 0.5C



Self-discharge @ different temperature



Cycle life with DOD@0.5C, 25℃

