

Transparent LiFePO4 Battery



CMLB-12.8V-100

CMLB-25.6V-100

CMLB-12.8V-200

CMLB-25.6V-200



Eco-friendly Transparent ABS Casing



Grade A Prismatic LiFePO4 Cells



10 Years Designed Service Life

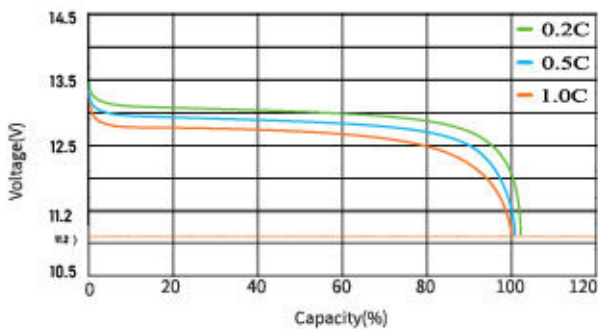


> 4000 Cycles @ 80% DoD, 0.5C @ 25°C

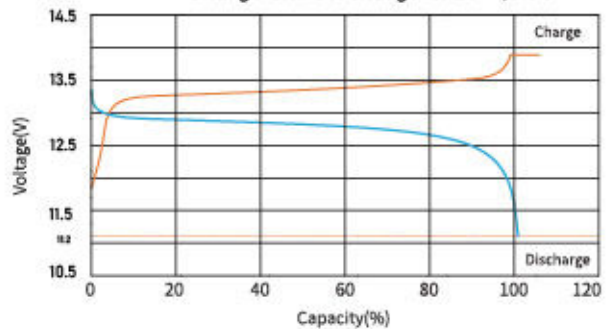


IP65 Protection

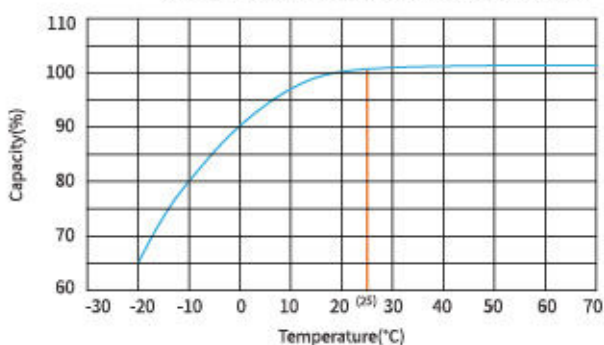
Discharge Performance at 25°C



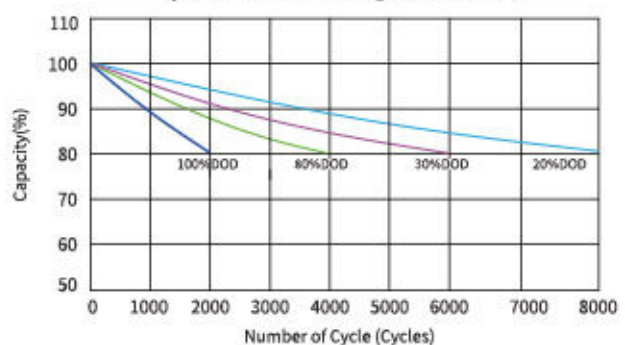
Charge and Discharge at 25°C, 0.5C



Temperature Effects on Capacity at 0.5C



Cycle Life with DOD @ 0.5°C, 25°C



CMLB-12.8V-100

CMLB-25.6V-100

CMLB-12.8V-200

CMLB-25.6V-200

MODEL NAME	CMLB-12.8V-100	CMLB-12.8V-200	CMLB-25.6V-100	CMLB-25.6V-200
Basic Performance				
Nominal Voltage (VDC)	12.8	12.8	25.6	25.6
Nominal Capacity (Ah)	100	200	100	200
Energy (kWh)	1.28	2.56	2.56	5.12
Internal Resistance (mΩ)	≤15	≤10	≤15	≤10
System Series/Parallel	4S, 4P	4S, 4P	2S, 4P	2S, 4P
Self Discharge	≤2%/Month			
Cycle Life	>6000 times @ 95% DOD			
Design Life	10 Years			
Charge Performance				
Recommended Charge Current (A)	50	100	50	200
Maximum Charge Current (A)	100	200	100	200
Recommended Charge Voltage (V)	13.6~13.8	13.6~13.8	13.6~13.8	13.6~13.8
Max Charge Voltage (V)	14.4	14.4	14.4	14.4
Overcharge Protection Voltage (V)	14.8~15.0	14.8~15.0	14.8~15.0	14.8~15.0
Charge Cut-off Voltage	>14.8V (0.5~1.5s)	>14.8V (0.5~1.5s)	>14.8V (0.5~1.5s)	>14.8V (0.5~1.5s)
Charge Mode	CC/CV			
Discharge Performance				
Maximum Continuous Discharge Current	100	200	100	200
Pulse Current (≤5s)	600	600	600	750
Rated Discharge Cut-off Voltage (V)	11.2	11.2	22.4	20.8
Minimum Discharge Cut-off Voltage (V)	>10	>10	>20	>20
Reconnect Voltage (V)	>10.4	>10.4	>20.8	>20.8
Short Circuit Protection (μs)	200~800			
Mechanical Specifications				
Weight (kg)	10.1	19.5	21	37
Size (mm)	306*169*215	520*240*220	520*240*220	520*268*220
Case Material	ABS			
Terminal Type	M8			
IP Rating	IP65			
Temperature Performance				
Discharge Temperature (°C)	-20~60			
Charge Temperature (°C)	0~45			
Storage Temperature (°C)	-5~35			
High Temperature Cut-off (°C)	65			
Reconnect Temperature (°C)	48			



Supports Series Connection