

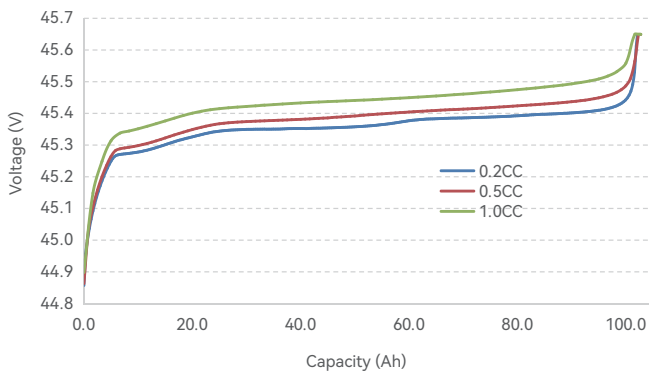
# B-LFP48-100E 3U

Parallel capacity from 5.12 kWh to 322.56 kWh

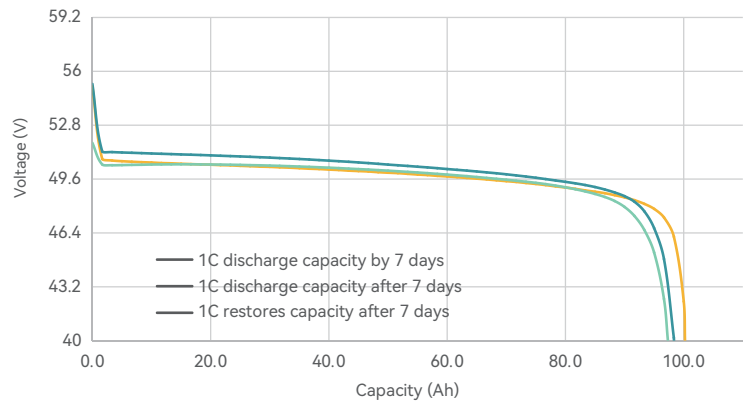


B-LFP48-100E 3U 51.2V 5.12kWh with 100A internal BMS. Composed of (16) UL listed prismatic 3.2V LiFePO4 cells in series which have been tested at 6000 deep discharge cycles to 80% DoD - fully charge and discharge this battery daily for over 15 years without issue.

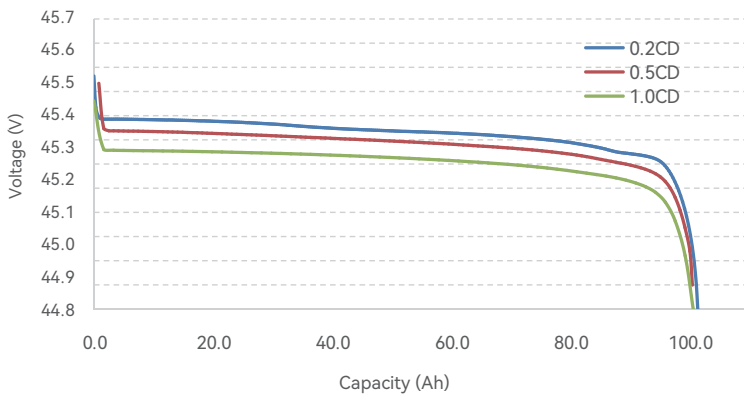
Charging Curves At Different Ratio



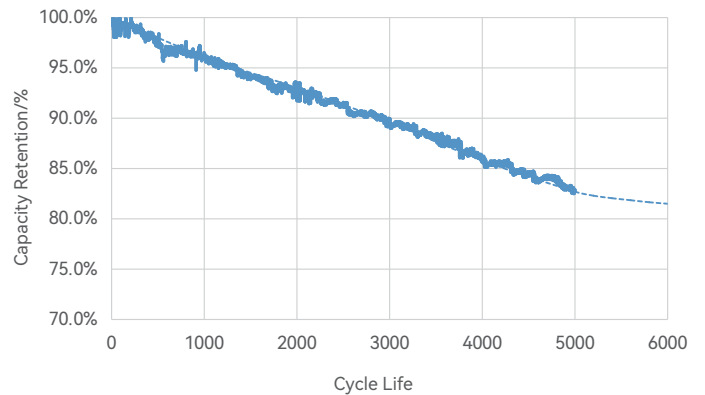
60°C 7 days



Discharge Curves For Different Ratio



Cycle Performance(0.5CC/1CD)



Item	General Parameter	
Model	B-LFP48-100E 3U	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (wh)	5120	
Usable Capacity (wh)	4608	
Cell & Method	16S1P	
Dimension(mm)(W*H*D)	538*483(442)*136	
Weight(Kg)	46	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Rate. Current / Power	50A / 2.56kW
	Max. Current / Power	80A / 4.096kW
	Peak Current / Power	110A / 5.632kW
Discharging	Rate. Current / Power	100A / 5.12kW
	Max. Current / Power	120A / 6.144kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s
Communication	RS232, RS485, CAN, WIFI, Bluetooth	
Depth Of Discharge(%)	90%	
Expansion	up to 63 units in parallel	
Working Temperature	Charge	0~55°C
	Discharge	-20~55°C
Storage Temperature	0~33°C	
Short Circuit Current/Duration Time	350A, Delay time 500μs	
Cooling Type	Nature	
Protection Level	IP20	
Monthly Self-discharge	≤ 3%/month	
Humidity	≤ 60% ROH	
Altitude(m)	< 4000	
Warranty	10 Years	
Design Life	> 15 Years (25°C / 77°F)	
Cycle Life	> 6000 cycles, 25°C	
Certification & Safety Standard	UN38.3	



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