

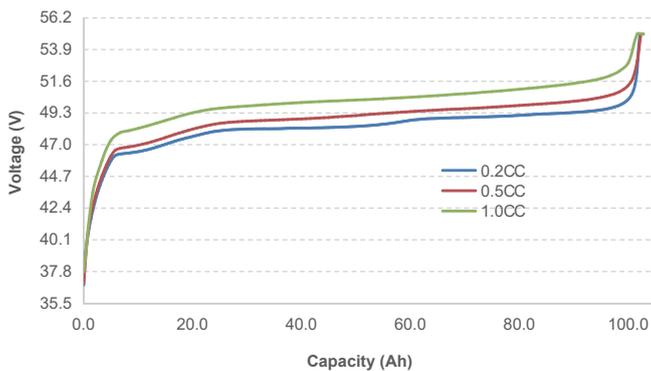
# B-LFP48-170E

Parallel capacity from 8.908 kWh to 534 kWh

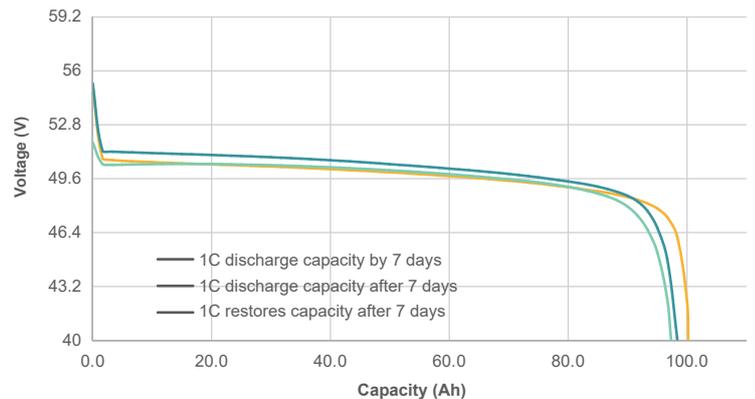


B-LFP48-170E 51.2V 174Ah 8.908kWh with internal BMS. Composed of (16) UL-listed prismatic 3.2v LiFePO4 cells in series which have been tested at 6000 deep discharge cycles to 80% DoD - fully charge and discharge this battery daily for over 15 years without issue.

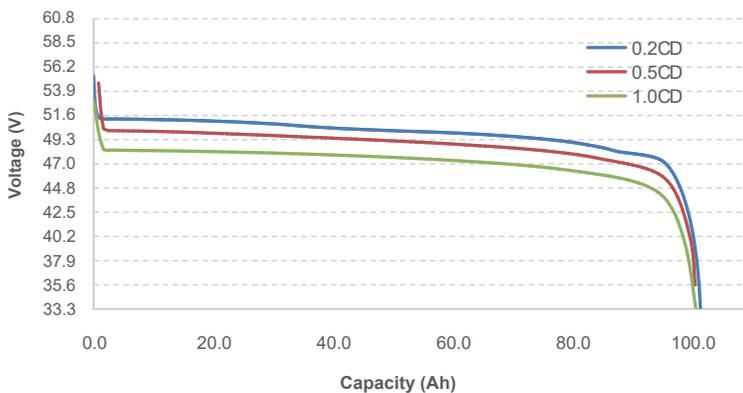
Charging Curves At Different Ratio



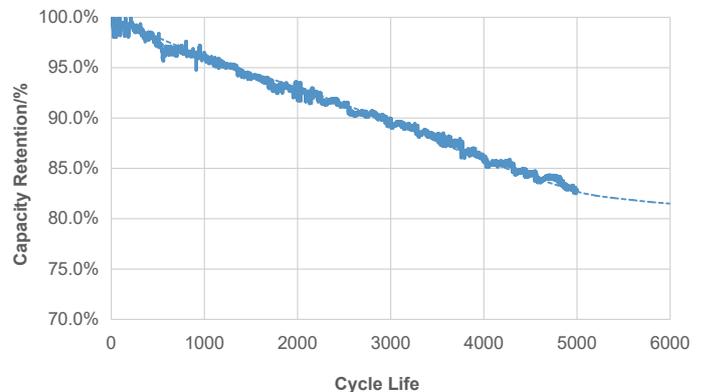
60°C 7 days



Discharge Curves For Different Ratio



Cycle Performance(0.5CC/1CD)



Item	General Parameter	
Model	B-LFP48-170E	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (wh)	8908	
Usable Capacity (wh)	8017	
Cell & Method	16S2P	
Dimension(mm)(L*W*H)	403*640(600)*227	
Weight(Kg)	75	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Rate. Current / Power	87A / 4.445kW
	Max. Current / Power	160A / 8.192kW
	Peak Current / Power	210A / 10.75kW
Discharging	Rate. Current / Power	174A / 8.908kW
	Max. Current / Power	220A / 11.26kW, 1s
	Peak Current / Power	250A / 12.8kW, 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	0~35°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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