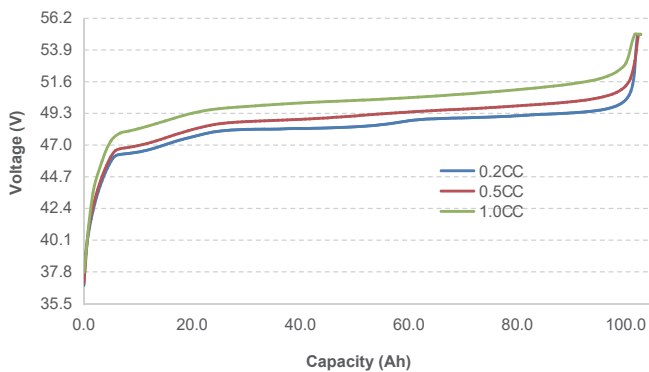


# 51.2V 120Ah B-LFP48-120E

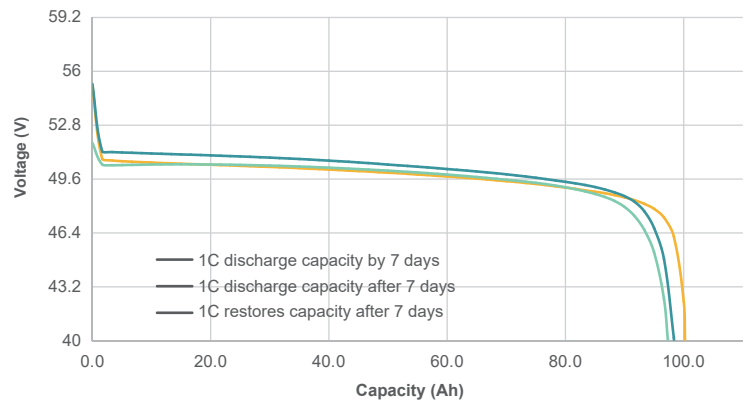


B-LFP48-120E rack batteries are made from a deep cycle prismatic LiFePO<sub>4</sub> battery that combines proprietary architecture, circuitry, assembly methods and battery management systems (BMS) that are modular, lightweight and scalable for applications ranging from residential, commercial and industrial energy storage to telecom base station installations.

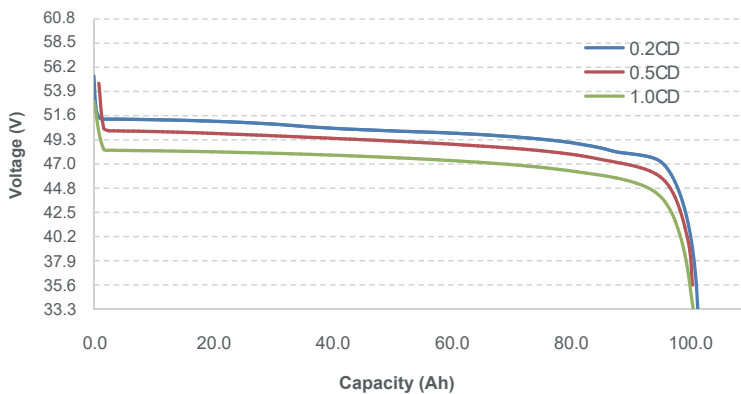
Charging Curves At Different Ratio



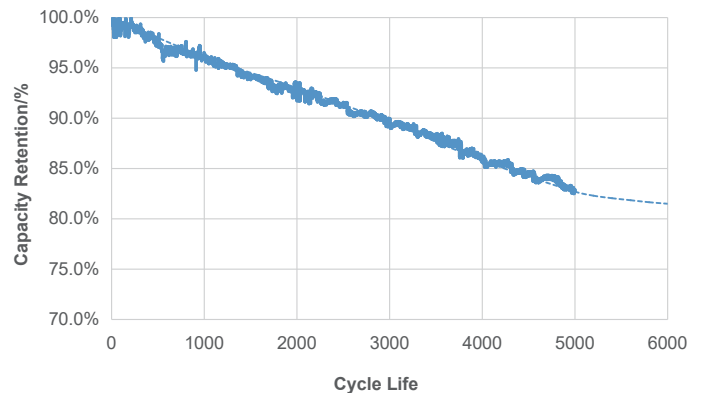
60°C 7 days



Discharge Curves For Different Ratio



Cycle Performance(0.5CC/1CD)



# Technical Specifications

## Specification

Item	General Parameter	
Model	B-LFP48-120E	
Pack configuration	16S1P	
Charge Voltage	58.4V(3.65V/Cell)	
Discharge cut-off Voltage	47V	
Nominal Voltage	51.2V(3.2V/Cell)	
Minimum Capacity	125Ah @ 0.5C discharge	
Nominal Capacity	125Ah @ 0.5C discharge	
Nominal Energy	6400Wh @ 0.5C discharge	
Max Charge Current	100A	
Max Cont Discharge Current	100A	
Standard Charge	0.5C constant current to 58.4V, CV to taper current $\leq 0.05C$	
Standard Discharge	0.5C constant current to 47V	
Pack Weight	Approx:57Kg	
Shipment Voltage	51.2~52.8V	
Operating Temperature	Charge	0°C ~55°C:
	Discharge	-20°C ~60°C
Storage Temperature	0 ~ 25°C	
Capacity	$\geq 120Ah$	
Cycle Life	$\geq 6000$ , @80% DOD (0.5C, 25°C )	
Warranty	10 years	
Battery Life	$\geq 15$ years	
Dimension (L*W*H)	482.6*495*177 $\pm$ 3mm	

## Certification

Safety	CE/UN38.3
Hazardous Materials Classification	Class 9
Transportation	UN38.3
Protection Level	IP22, IP54 ( optional)



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