

51.2V
120Ah
B-LFP48-120E



B-LFP48-120E rack batteries are made from a deep cycle prismatic LiFePO4 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.



Modular and scalable



Max. 63 in parallel



Better price, bigger capacity



10-year warranty & technical support



30 days delivery period



For on-grid and off-grid



UL standard battery pack



High cycle life and deep cycle capability



Safe and reliable LiFePO4



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	120Ah @ 0.5C discharge	
Nominal Capacity	120Ah @ 0.5C discharge	
Nominal Energy	6144Wh @ 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: standard charging method
	Discharge	-30°C ~55°C
Storage Temperature	-20 ~ 25°C, Less than 12 months	
	-20 ~ 45°C, Less than 3 months	
	-20 ~ 60°C, less than 1 month	
Capacity	$\geq 120Ah$	
Cycle Life	≥ 6000 , @80% DOD (0.5C, 25°C)	
Warranty	10 years	
Battery Life	≥ 15 years	
Dimension (L*W*H)	482.6*495*177 \pm 3mm	

Certification

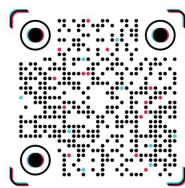
Safety	CE/UN38.3
Hazardous Materials Classification	Class 9
Transportation	UN38.3
Protection Level	IP22, IP54 (optional)



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