BSLBATT®
Best Solution Lithium Battery

B-LFP48-100E 3U

Parallel capacity from 5.12 kWh to 322.56 kWh



51.2V 100Ah 5.12kWh

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 95% DOD - fully charge and discharge this battery daily for over 15 years without issue.

- Modular and scalable
- More compact design
- 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

Specification

51.2V 100Ah 5.12kWh Battery

Item	General Parameter	
Model	B-LFP48-100E 3U	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (wh)	5120	
Usable Capacity (wh)	4864	
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	40A / 2.048kW
	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(Optional), Bluetooth(Optional)	
Depth Of Discharge(%)	95%	
Expansion	Up to 63 units in parallel	
Working Temperature	Charge	0~55℃
	Discharge	-20~55℃
Storage Temperature	0~35℃	
Short Circuit Current/Duration Time	Enable	
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℃ / 77℉）	
Cycle Life	> 6000 cycles, 25℃	
Certification & Safety Standard	UN38.3, CE, IEC 62619	

Facebook Linkedin Tiktok Instagram Youtube

Copyright @ 2024 BSL NEW ENERGY TECHNOLOGY CO., LTD. All rights reserved.