BSLBATT®
Best Solution Lithium Battery

B-LFP48 SERIES

51.2V LiFePO4 Rack Batteries



5.12kWh/10.24kWh/15.36kWh
100E / 200E / 300E

Discover the power of efficiency and flexibility with BSLBATT's Rack Batteries, featuring lithium iron phosphate technology at its core. Designed to excel in applications with limited space or where seamless integration of multiple batteries into a single system is essential, our Rack Batteries redefine energy storage solutions for diverse needs.

- Module design, flexible expansion
- Tier One, A+ LiFePO4 cell composition
- Stackable with flexible brackets
- Matching with leading inverters
- 6000 cycles @ 90% DOD
- Residential & commercial /industrial use

Specification

51.2V 5.12kWh/10.24kWh/15.36kWh Battery

Item			General Parameter	
Model		B-LFP48-100E 3U	B-LFP48-200E	B-LFP48-300E
Battery Type		LiFePO4	LiFePO4	LiFePO4
Nominal Voltage (V)		51.2	51.2	51.2
Nominal Capacity (wh)		5120	10240	15360
Usable Capacity (wh)		4608	9216	13824
Cell & Method		16S1P	16S2P	16S1P
Dimension(mm)(W*H*D)		538*483(442)*136	590*483(442)*222	780*483(442)*222
Weight(Kg)		46	95	130
Discharge Voltage (V)		47		
Charge Voltage (V)		55		
Charge	Rate. Current / Power	50A / 2.56kW	100A / 5.12kW	100A / 5.12kW
	Max. Current / Power	80A / 4.096kW	160A / 8.192kW	160A / 8.192kW
	Peak Current / Power	110A / 5.632kW	210A / 10.752kW	210A / 10.752kW
Discharging	Rate. Current / Power	100A / 5.12kW	200A / 10.24kW	200A / 10.24kW
	Max. Current / Power	120A / 6.144kW, 1s	220A / 11.264kW, 1s	220A / 11.264kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s	250A / 12.80kW, 1s	250A / 12.80kW, 1s
Communication		RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional)		
Depth Of Discharge(%)		90%		
Expansion		Up to 63 units in parallel		
Working Temperature	Charge	0~55℃		
	Discharge	-20~55℃		
Storage Temperature		0~35℃		
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℃ / 77℉）		
Cycle Life		> 6000 cycles, 25℃		
Certification & Safety Standard		UN38.3 B-LFP48-200E: UN38.3, IEC62619		

Note: Customized models and adjusted parameters are available upon request.

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