



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			
	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	150A / 7.68kW
	Max. Current / Power	80A / 4.096kW	160A / 8.192kW	240A / 12.288kW
	Peak Current / Power	110A / 5.632kW	210A / 10.752kW	310A / 15.872kW
Discharging	Rate. Current / Power	100A / 5.12kW	200A / 10.24kW	300A / 15.36kW
	Max. Current / Power	120A / 6.144kW, 1s	220A / 11.264kW, 1s	310A / 15.872kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s	250A / 12.80kW, 1s	400A / 20.48kW, 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°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 B-LFP48-200E: UN38.3, IEC62619			

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



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