



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



IP54 protection level



6000 cycles @ 80% 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	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		0~33°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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