



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

The BSLBATT wall-mounted home battery is a 51.2V solar battery based on LiFePO4 electrochemical technology with various capacity options: 5kWh, 10kWh, 15kWh, which can be flexibly expanded to meet different energy needs of the family.



Module design,
flexible expansion



Tier One, A+ LiFePO4
cell composition



Compact design,
space saving



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-LFP48-100PW	B-LFP48-200PW	B-LFP48-300PW
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)		540*490*147	820*490*147	950*600*190
Weight(Kg)		53	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 32 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-LFP48-200PW: UN38.3, UL1973, IEC62619, CEC		

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



Facebook



Linkedin



Tiktok



Instagram



Youtube