



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 @ 80% DOD



Residential & commercial
/industrial use

Specification

51.2V 5.12kWh/10.24kWh/15.36kWh Battery

Item	General Parameter			
	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	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 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.



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