



The B-LFP48-100PW is a 51.2 volt, 5,12 kWh wall-mounted home battery for solar energy storage systems using the safest lithium ion chemical, lithium iron phosphate (LiFePO₄), a flexible, scalable (up to 32 batteries can be used simultaneously to provide additional energy storage capacity) lithium battery storage solution designed for home solar power systems.



Modular and scalable



Max. 32 in parallel



Better price, bigger capacity



10-year warranty & technical support



30 days delivery period



For on-grid and off-grid



UL Standard Battery Pack



High cycle life and deep cycle capability



Safe and reliable LiFePO₄

Item	General Parameter	
Model	B-LFP48-100PW	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (wh)	5120	
Usable Capacity (wh)	4864	
Cell & Method	16S1P	
Dimension(mm)(H*W*D)	590*460*147	
Weight(Kg)	50 ±3%	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Rated Current / Power	80A / 4.096kW
	Peak Current / Power	110A / 5.632kW,1s
Discharge	Rated Current / Power	100A / 5.12kW(25±2°C)
	Max. Current / Power	120A / 6.144kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s
Communication	RS232, RS485, CAN, WIFI, Bluetooth	
Depth Of Discharge(%)	95%	
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	Enable	
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±2°C	
Certification & Safety Standard	UN38.3	



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