



51.2V 127Ah



6500Wh

51.2V 127Ah 6.50kWh

The B-LFP48-130PW is a 51.2 volt, 6.50 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



5-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-LFP48-130PW	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (wh)	6500	
Usable Capacity (wh)	5850	
Cell & Method	16S1P	
Dimension(mm)(H*W*D)	780*460*120	
Weight(Kg)	55 ±3%	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Max. Current / Power	160A / 8.192kW
Discharge	Max. Current / Power	200A / 10.240kW [2C(optional)]
	Recommend Current / Power	127A / 6.502kW [2C(optional)]
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	Enable	
Cooling Type	Nature	
Protection Level	IP20	
Monthly Self-discharge	≤ 3%/month	
Humidity	≤ 60% ROH	
Altitude(m)	< 2000	
Warranty	5 Years	
Design Life	> 10 Years (25°C / 77°F)	
Cycle Life (25±2°C)	> 4000 cycles	
Certification & Safety Standard	UN38.3	



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