



51.2V 300Ah 15.36kWh

The B-LFP48-300PW is a 51.2 volt, 15,36 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-LFP48-300PW	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (wh)	15360	
Usable Capacity (wh)	13824	
Cell & Method	16S1P	
Dimension(mm)(W*H*D)	900*660*220 (With base: 986.5*660*250)	
Battery Weight(KG)	132	
Base Weight (KG)	6	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Rate. Current / Power	150A / 7.68kW
	Max. Current / Power	240A / 12.288kW
	Peak Current / Power	310A / 15.872kW
Discharging	Rate. Current / Power	300A / 15.36kW
	Max. Current / Power	310A / 15.872kW, 1s
	Peak Current / Power	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℃
	Discharge	-20~55℃
Storage Temperature	0~35℃	
Short Circuit Current/Duration Time	350A, Delay time 500μs	
Cooling Type	Nature	
Protection Level	IP65	
Monthly Self-discharge	≤ 3%/month	
Humidity	≤ 60% ROH	
Altitude(m)	< 4000	
Warranty	10 Years	
Design Life	> 15 Years (25℃ / 77°F)	
Cycle Life	> 6000 cycles, 25℃	
Certification & Safety Standard	UN38.3	



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