BSLBATT®
Best Solution Lithium Battery

B-LFP48-300PW

Parallel capacity from 15.36 kWh to 491.52 kWh

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

Specification

51.2V 300Ah 15.36kWh Battery

Item	General Parameter	
Model	B-LFP48-300PW	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (wh)	15360	
Usable Capacity (wh)	14592	
Cell & Method	16S1P	
Dimension(mm)(H*W*D)	844*510*240	
Weight(Kg)	135 ±3%	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Rated Current / Power	160A / 8.192kW
	Peak Current / Power	210A / 10.752kW, 1s
Discharge	Rated Current / Power	200A / 10.24kW
	Max. Current / Power	220A / 11.264kW, 1s
	Peak Current / Power	250A / 12.80kW, 1s
Communication	RS232, RS485, CAN, WIFI, Bluetooth	
Depth Of Discharge(%)	95%	
Expansion	Up to 32 units in parallel	
Working Temperature	Charge	0~55℃
	Discharge	-20~55℃
Storage Temperature	0~35℃	
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℃ / 77℉）	
Cycle Life	> 8000 cycles, 25±2℃, 0.5C charge, 0.5C discharge	

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

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