BSLBATT®
Best Solution Lithium Battery

B-LFP48-300PW

Parallel capacity from 16.07 kWh to 514.43 kWh

51.2V 314Ah 16.07kWh

The B-LFP48-300PW is a 51.2 volt, 16.07 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

Item		General Parameter
Model		B-LFP48-300PW
Battery Type		LiFePO4
Nominal Voltage (V)		51.2
Nominal Capacity (wh)		16076
Usable Capacity (wh)		15272
Cell & Method		16S1P
Dimension(mm)(H*W*D)		778*510*270 (With wheels: 844*510*240)
Weight(Kg)		135 ±3%
Discharge Voltage (V)		47
Charge Voltage (V)		55
Charge	Rated Current / Power	150A / 7.68kW
	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
Certification		UN38.3 / IEC62619 / IEC62040 / CE-EMC

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

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