



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) | 750*830*220 | |
| 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°C |
| | Discharge | -20~55°C |
| Storage Temperature | 0~33°C | |
| Short Circuit Current/Duration Time | 350A, Delay time 500μs | |
| Cooling Type | Nature | |
| Protection Level | IP54 | |
| 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°C | |
| Certification & Safety Standard | UN38.3 | |



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