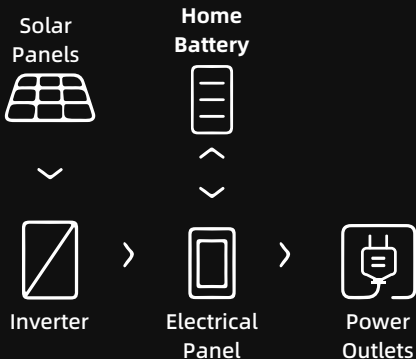


# Lithium-ion Energy Storage System **B-LFP48-200PW**



The BSLBATT B-LFP48 wall-mounted energy storage system provides 10.24 kWh of battery in a single unit, with up to 16 units available simultaneously for additional capacity. Inside the product is an automotive-grade module structure using lithium iron phosphate (also known as LFP or LiFePO<sub>4</sub>) battery chemistry, also known as LFP, which provides long cycle life without the toxicity or fire hazards of other lithium technologies.



## Key Features

- > Expandable by up to 16
- > Tier One, A+ Cell Composition
- > 98% Efficiency Rate
- > ≥ 6000 Cycle Life with a 10-Year Warranty
- > UL-rated battery pack.
- > Cycle One to Several Times Per Day
- > Fast Charge & Discharge Rates
- > AC coupling system for easier installation
- > Compatible with more than 20 inverters
- > Safer, more durable, more reliable LiFePO<sub>4</sub> cells



## APPLICATIONS

- Renewable Energy
- Back-up power
- Self-consumption optimisation
- Off-grid power supply



Lithium battery  
BSLBATT

**LiFePO<sub>4</sub>**  
Technology



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## Nominal Parameters

Item	General Parameter		
Combination method	16S4P		
Rated Capacity	Typical	200Ah	Standard discharge after Standard charge (package)
	Minimum	196Ah	
Factory Voltage	51V-53V(40-60%)		Mean Operation Voltage
Voltage at end of Discharge	40-44V		Discharge Cut-off Voltage
Charging Voltage	56-58V		
Internal Impedance	≤60mΩ		Internal resistance measured at AC 1KHZ after 50% charge The measure must uses the new batteries that within one week after shipment and cycles less than 5 times
Standard charge	Constant Current40A Constant Voltage see No.5 0.02CA cut-off		Charge time : Approx 6 h
Limiting current	20A		
Standard discharge	Constant current: 40A end voltage see NO.4		
Maximum Continuous Charge Current	100A	T≥10°C	
Maximum Continuous Discharge Current	100A	T≥10°C	
Operation Temperature Range	Charge: 0~45°C	60±25%R.H. Bare Cell	
	Discharge: -20~55°C		
Storage Temperature Range	Less than 12 months : -10~35°C	60±25%R.H. at the shipment state	
	Less than 3 months: -10~45°C		
	Less than 7 day : -20~65°C		
Dimensions	680*485*220 mm		Include Bracket
Weight	Approx : 107kg		

## Certification

Safety	UL11642/CE/RCM/FCC/TUV (IEC 62619) /UL1973
EMC	IEC61000-6-1 , IEC61000-6-3
Hazardous Materials Classification	Class 9
Transportation	UN38.3
IP LEVEL	IP54(IP65 Option)