BSLBATT®
Best Solution Lithium Battery

BSLBATT 48V LITHIUM POWER LITHIUM BATTERY

B-LFP48-100E
5.12kWh 3U

BSLBATT LITHIUM BATTERY
NEW
HOT-SALE PRODUCTS

FEATURES

- 5.12kWh expandable up to 81.92kWh
- AC Coupled for both new and retrofitted installations
- 4.8kW charge and discharge rate
- LiFePo4 cell, safe and environmentally friendly
- Suitable for both indoor and outdoor installation (IP65 rating)
- Premium 10 Year Warranty
- Modular design gives highest flexibility
- 16 Cell lithium batteries as denoted with the voltage 51.2v
- Multiple communication interfaces: RS485, RS232,CAN
- Long life cycle, more than 6000 times
- Safety Cert. RCM, IEC, FCC, TUV, CE, UN38.3, and so on
- Module level auto-balancing
- 0.5C/1C continualcharge and discharge
- Proven BMS with widest compatiblities with inverters
- Simple buckle fixing minimize the installation time and cost

FIELDS OF APPLICATION

› Hotels
› Domestic-residential
› Schools or Institutions
› Places of public interest
› Gyms and sports facilities
› Shops and small businesses
› Car parks in shopping centres and supermarkets

APPLICATIONS

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

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Lithium battery
BSLBATT
LiFePO4
Lithium Battery

www.lithium-battery-factory.com

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Specification

Item	General Parameter		
Combination method	16S1P		
Rated Capacity	Typical	100AH	Standard discharge after Standard charge（package）
	Minimum	98AH	
Factory Voltage	51.2V-54.4V		Mean Operation Voltage
Voltage at end of Discharge	44.8V		Discharge Cut-off Voltage
Charging Voltage	56.8V		
Internal Impedance	≤80mΩ		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 Current 20A Constant Voltage see No.5 0.02CA cut-off		Charge time：Approx 6 h
Limiting current	20A		Package
Standard discharge	Constant current：20A 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℃		60±25%R.H. Bare Cell
	Discharge: 0~45℃		
Storage Temperature Range	Less than 12 months：-10~35℃		60±25%R.H. at the shipment state
	less than 3 months: -10~45℃		
	Less than 7 day：-20~65℃		
Dimensions	442*450*133 mm		Include case
Weight	55kg		Include case

Certification

Safety	ULI1642/CE/RCM/FCC/TUV (IEC 62619) /UL1973
EMC	IEC61000-6-1 , IEC61000-6-3
Hazardous Materials Classification	Class 9
Transportation	UN38.3
IP LEVEL	IP23