

# LIFEPO4 BATTERY **BSM48212W**

51.2V 212AH



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BSM48212W are lithium iron phosphate battery system produced by Bluesun solar Co., Ltd., which can be used to provide safe, reliable, and stable energy for various equipment. At the same time, the module supports expansion on both capacity and power by multiple parallel uses. It supports CAN, RS485, RS232 communication, and can meet the requirements of various PV inverter communication protocols.

BSM48212W has the advantages of high safety performance, long life span, wide charging voltage range, simple installation, and standard modular design.

Products can be widely used in household energy storage, industrial and commercial energy storage and other fields.



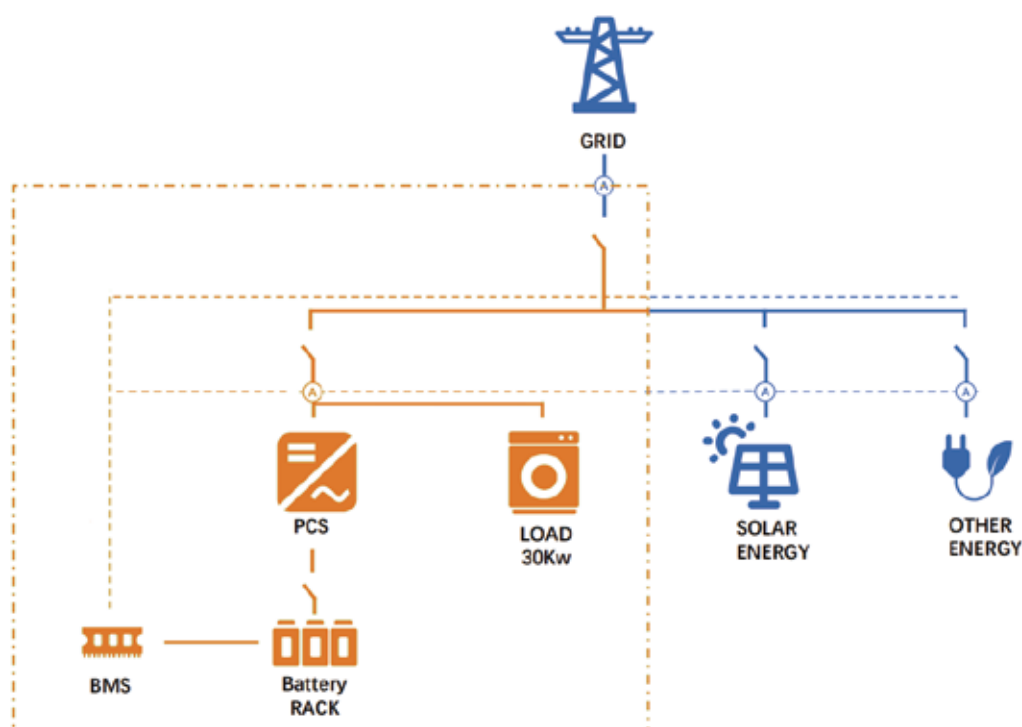
- Modular design, light weight, small size
- More than 10 years long service life
- High compatibility BMS, seamless communication with energy storage inverter
- Suitable for long-term charge and discharge cycle



BSM48212W Modular design, multiple batteries can be connected in parallel to expand capacity;

Battery can be installed in the supporting chassis, floor or wall installation, compared with similar products to save 20% space;

Battery charge and discharge management, protection, and alarm are automatically implemented without manual operation



## NORMAL

Model	BSM48212W
Battery Type	LiFePO4(LFP)
Nominal Voltage(V)	51.2V
Nominal Capacity(WH)	10854.4WH
Usable Capacity(WH)	9768.96WH
Design Life	10+ Years (25°C/77F )

### Physical

Dimension(mm)	648*786*162
Weight(kg)	98

## ELECTRICAL

Cycle Life	>6000. 25°C
Discharge Voltage(V)	40 - 48
Charge Voltage(V)	56 - 58.4
Charge/Discharge Current(A)	50A (Recommended) 100A(Max )
Internal Resistance	≤30mΩ

## BMS

Power Consumption	<2W (Work) < 100mW(Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, module temperature
SOC	Intelligent algorithm
Communication	CAN/RS-485/RS-232

## OPERATION

Operating Temperature Range	-10℃ - 50℃
Transport or Storage Temperate Range	-20℃ - 45℃
Humidity	15% - 85% (No Condensing)

## WARRANTY

Product Warranty	5 Years
Performance Warranty	10Years



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