

LIFEPO4 BATTERY

# BSMW48106

51.2V 106AH



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BSMW48106 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.

BSMW48106 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.



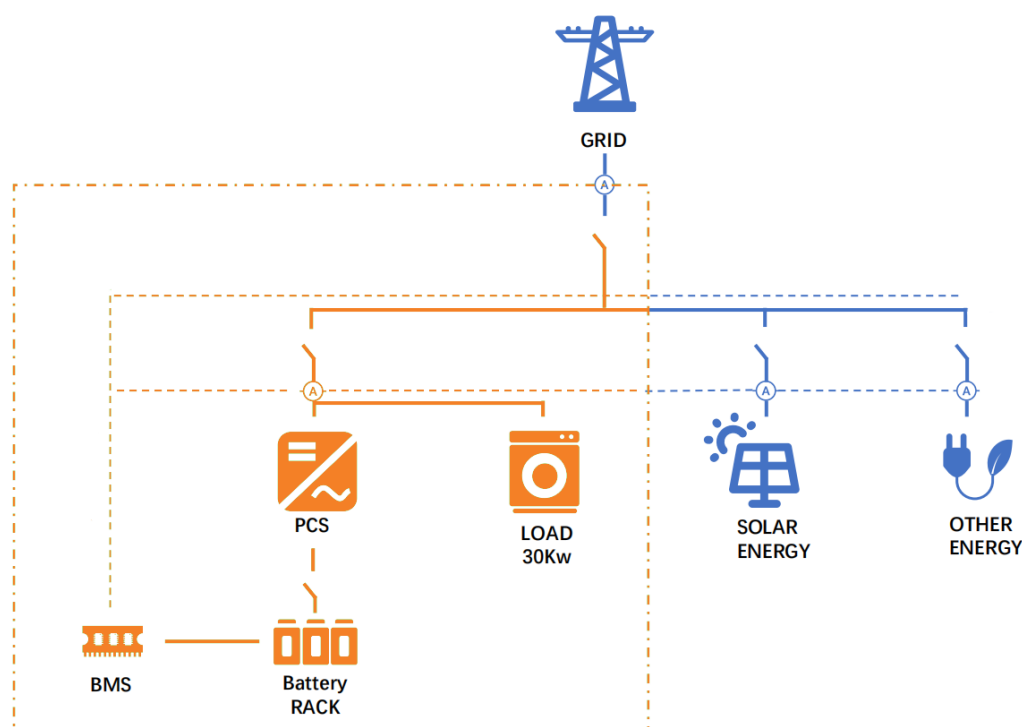
- Modular design, light weight, small size
- More than 10 years long service life
- High compatibility BMS, seamless communication with energy storage inverter
- Suitable for long-term charge and discharge cycle



BSMW48106 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	BSMW48106
Battery Type	LiFePO4(LFP)
Nominal Voltage(V)	51.2V
Nominal Capacity(WH)	5427.2WH
Usable Capacity(WH)	4884WH
Design Life	10+ Years (25° C/77F)
Physical	
Dimension(mm)	648*462*162
Weight(kg)	54

## 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 Temperature Range	-20℃ - 45℃
Humidity	15% - 85% (No Condensing)

## WARRANTY

Product Warranty	5 Years
Performance Warranty	10Years



## **Bluesun Solar Co., Ltd**

Add:1499 Zhenxing Road, Shushan District,230031 Hefei,China

Tel: +86 (158) 5821 3997 E-mail:info@bluesunpv.com  
Fax:+86 (551) 6565 2651 Http://www.bluesunpv.com