

LIFEPO4 BATTERY

BSM48106HP

51.2V 106AH



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BSM48106HP 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.

BSM48106HP has the advantages of high safety performance, long life span, wide charge 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.



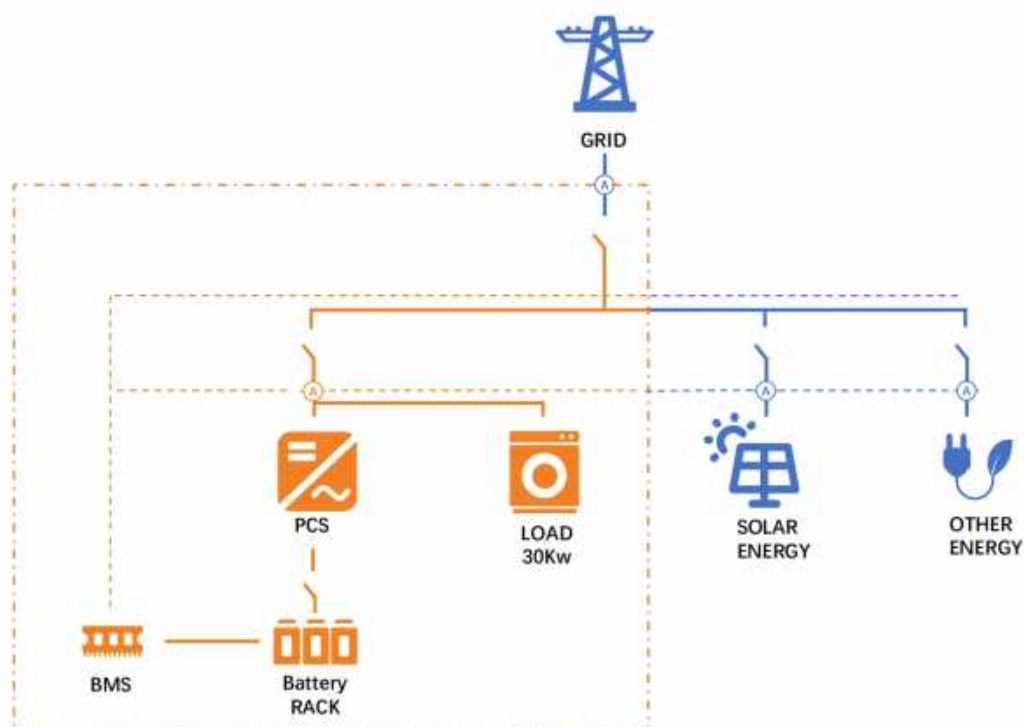
- Modular design, light weight, small size
- More than 10 years long service life
- High compatibility BMS, seamless communication with energy storage inverter
- Suitable for long-term charge and discharge cycle



BSM48106LP Modular design, multiple batteries can be connected in parallel to expand capacity;

The battery management system(BMS) provides data collection, status monitoring and control to ensure the safe and reliable operation of the system

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



NORMAL

Model	BSM48106HP
Battery Type	LiFePO4(LFP)
Nominal Voltage(V)	51.2*N V
Nominal Capacity(WH)	5.42*N KWH
Usable Capacity(WH)	4.87*N KWH
Design Life	10+ Years (25 ° C/77F)
Physical	
Dimension(mm)	600*400*200*N
Weight(kg)	45*N

ELECTRICAL

Cycle Life	>6000. 25 ° C
Discharge Voltage(V)	40*N - 48*N
Charge Voltage(V)	56*N - 58.4*N
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 ° C - 50 ° C
Transport or Storage Temperate Range	-20 ° C - 45 ° C
Humidity	15% - 85% (No Condensing)

WARRANTY

Product Warranty	5 Years
Performance Warranty	10Years



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