

Wall Mounted Battery Module

BMV series



BMV Series
WALL MOUNTED LITHIUM LiFePO4 BATTERY

Wall mounted lithium LifePO4 Battery BMV series are high-tech products developed to meet the requirements of new backup power supplies, featuring integration, miniaturization, lightweight, intelligence, standardization, and environmental protection.

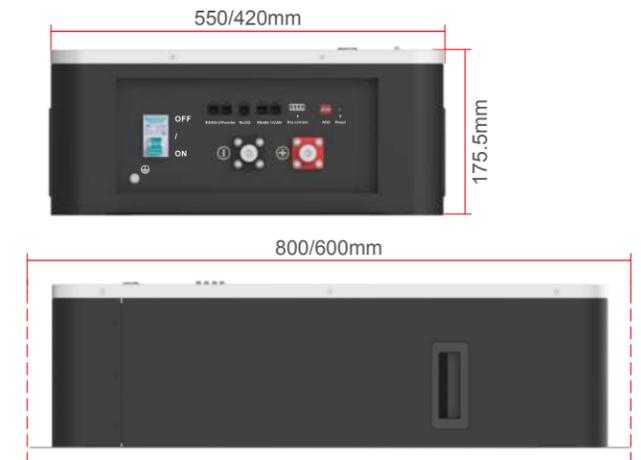
Working mode: Charging and discharging

Application field: It can be widely used in indoor distribution stations, integrated base stations, marginal stations, home photovoltaic energy storage, distributed power supply, and other fields.

Main Features

- Cells cycle times 6000 cycles(25°C 0.2C 80% DOD).
- Long lifespan: 5 years warranty, 10 years life design.
- Wall-mounted design, space saving, easy installation, matching inverter to meet daily energy needs.
- Smart BMS system to optimize the performance.
- Communication: RS485/SNMP/Wifi/Bluetooth, Compatible with different brand of solar inverter and chargers.
- All around protection: such as SOC/SOH etc..
- High discharge rate currents, suitable for on-grid or off-grid solar system and other loads.
- Maximum of 16 battery packs can be connected in parallel.
- With front display to know effectively the status of the batteries.

Drawing



Technical Parameter

Model	BMV24-200	BMV48-100	BMV48-200
Specification			
Battery Type	LiFePO4	LiFePO4	LiFePO4
Battery Model	25.6V200AH	51.2V100AH	51.2V200AH
Nominal Capacity(25°C, 0.2C)WH	5120Wh	5120Wh	10240Wh
Adjustable working voltage(Vdc)	22.4 ~ 29.2V	42 ~ 54.8V	42 ~ 54.8V
Folat Charge Voltage(Vdc)	28V	56V	56V
Max.Continuous discharge current(A)	100	100	100
Max. pulse discharge current(A)	150A(1 sec) configurable		
Max.Continuous charge current(A)	100	100	100
Cycle life(25°C 0.2C 80% DOD)	> 6000 Cycles	>6000 Cycles	>6000 Cycles
Cell Equalizer Current(A)	0.1 ~ 5A Max.(optional)	0.1 ~ 5A Max.(optional)	0.1 ~ 5A Max.(optional)
Terminal	M6		
Storage duration	6 months at 25°C		
Safety standard	IEC 62619, UN38.3, MSDS, CE		
Communication function	RS232/RS485/CAN(Standard), SNMP/Wifi/Bluetooth/Dry contact(Optional)		
Protection			
Protection	Overcharge protection\Overdischarge protection\Overcurrent protection\ Shortcircuit protection\Overtemperature protection		
Ambient			
Noise(dB)	<40dB(1 meter)		
Working temperature	- 20°C ~ +60°C		
Humidity	0 ~ 95%(no condensation)		
Altitude(m)	<3000		
Dimension			
W*H*D(product size)mm	W420*H600*D175.5	W550*H800*D175.5	
W*H*D (package size)mm	W505*H730*D359	W654*H980*D373	
Net Weight(Kg)	48	84	
Gross Weight(Kg)	63	104	

Additional Features (optional feature) LCD Display

Due to different communication protocol versions, it is necessary to confirm clearly before shipment.

Residential Battery Module
BMV24-200/ BMV48-100/ BMV48-200