

# Residential Battery Module

**BMF series**



## BMF SERIES ENERGY STORAGE SYSTEM

BMF series Energy Storage System utilizes Lithium iron phosphate battery, developed to meet the requirements of household backup power requirements.

The built-in intelligent BMS can protect the battery pack and extend its service life. The vertical design is Elegant and easy to install at home.

For More about Unipower range of products, visit:  
[www.svcenergy.com](http://www.svcenergy.com)

## MAIN FEATURES

- ▶ Cells cycle times 6000 cycles(+25°C 0.2C 80% DOD).
- ▶ Long lifespan: 10 years + life design.
- ▶ Unique, Elegant and Powerful.
- ▶ Smart BMS system to optimize the performance.
- ▶ Communication: RS485/CAN/SNMP/Wifi/Bluetooth,Compatible with different brand of solar inverter and chargers (optional).
- ▶ 360 degree protection: such as SOC/SOH/ Anti-theft function etc.
- ▶ High discharge rate currents, suitable for on-grid or off-grid solar system and other loads.
- ▶ With front display panel for easy access to status of the batteries.

## Technical Parameter

Model	BMF48-100	BMF48-200
<b>SPECIFICATIONS</b>		
Battery Type	LiFePO4	
Battery Model	51.2V100AH	51.2V200AH
Nominal Capacity(25°C, 0.2C)WH	5120Wh	10240Wh
Adjustable working voltage(Vdc)	40~58.4V	
Folat Charge Voltage(Vdc)	56V	
Max.Continuous discharge current(A)	100A (-20°C~40°C); 50A (40°C~55°C)	
Max.pulse discharge current(A)	150A(1 sec) configurable	
Max.Continuous charge current(A)	100A (10°C~30°C); 50A (30°C~45°C)	
Cycle life(+25°C 0.2C 80% DOD)	> 6000 Cycles	
Cell Equalizer Current(A)	≥70mA	
Terminal	M8	
Storage duration	6 months at 25°C	
Safety standard	IEC62619,UN38.3,MSDS	
Maximun parallel connection	16pcs	
Communication function	RS485/CAN/ RS232 (standard),SNMP/Wifi/Bluetooth/ Dry contact (optional)	
Communicate with mainstream inverter	PYLON/Growatt/Voltronic/GoodWe/Luxpowertek/Sorotec/GINL ONG/Schneider/SMA/Senergy/MUST/TBB/STUDER/WOW/Deye etc.	
<b>PROTECTION</b>		
Protection	Overcharge protection\Overdischarge protection\Overcurrent protection\Shortcircuit protection\Overtemperature protection	
<b>AMBIENT</b>		
Noise(dB)	<40dB(1 meter)	
Working temperature	-20°C~+55°C (according to above charge and discharge specifications)	
Humidity	0~95%(no condensation)	
Altitude(m)	<3000	
<b>DIMENSION</b>		
L*W*H(product size)mm	L531 *W303*H 648.5	L630*W303*H883
L*W*H(package size)mm	L561* W346*H828	L720*W410*H1150
Net Weight(Kg)	54.5	97.5
Gross Weight(Kg)	68.5	121

Additional Features (optional feature) LCD Display  
Due to different communication protocol versions, it is necessary to confirm clearly before shipment