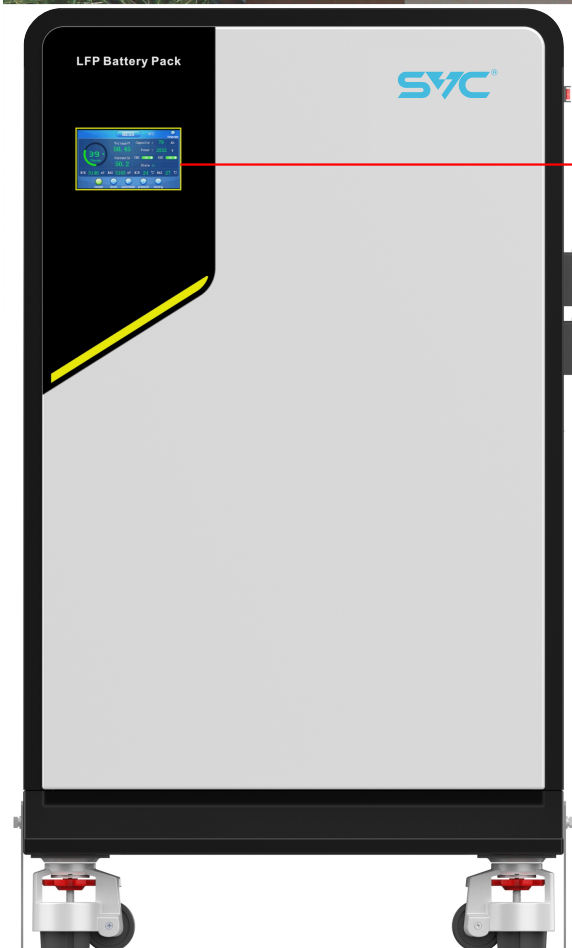


RESIDENTIAL BATTERY MODULE

BMF series



The LCD display screen has two options: button type and touch mode type, as shown in the above picture

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

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.



RESIDENTIAL BATTERY MODULE

Technical Parameter

Model	BMF48-100	BMF48-200	BMF48-300
Specifications			
Battery Type	LiFePO4		
Nominal Voltage	51.2Vdc		
Nominal Capacity(25°C, 0.2C)WH	5kWh	10kWh	15kWh
Adjustable working voltage(Vdc)	40V-58.4Vdc		
Max.Continuous discharge current(A)	100A (-20°C~40°C); 50A (40°C~55°C)		200A (-20°C~40°C); 100A (40°C~55°C)
Max.pulse discharge current(A)	150A(1 sec) configurable		300A(1 sec) configurable
Max.Continuous charge current(A)	100A (10°C~30°C); 50A (30°C~45°C)		200A (10°C~30°C); 100A (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		
Ingress protection	IP21		
Communication function	RS485/CAN/ RS232 (standard),SNMP/Wifi/Bluetooth/Dry contact (optional)		
Communicate with mainstream inverter	PYLON/Growatt/Voltronic/GoodWe/Luxpowertek/Sorotec/GINLONG/Schneider/SMA/Senergy/MUST/TBB/STUDER/WOW/Deye/SVC etc.		
Protection			
Protection	Overcharge protection\Overdischarge protection\Overcurrent protection\ Shortcircuit protection\Overtemperature protection		
Ambient			
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		
Dimension			
L*W*H(product size)mm	L531 *W303*H 648.5	L630*W303*H883	L580*361*873
L*W*H(package size)mm	L561* W346*H828	L720*W410*H1060	L662*W458*H1048
Net Weight(Kg):	54.5 kg	97.5 kg	127.6kg
Gross Weight(Kg):	68.5 kg	121kg	151.6kg

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