

Residential Battery Module

BMF series

11.78KWH

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 SVC range of products, visit:
www.svcenergy.com



Main Features

- ▶ 11.78kWh High Capacity — Provides daily energy needs, peak shaving, and reliable backup.
- ▶ Durable LiFePO4 Technology — Over 8000 cycles and 10+ years lifespan with superior safety.
- ▶ High Power Output — 200A continuous and 300A peak discharge for heavy loads.
- ▶ Intelligent BMS — Real-time monitoring with full protection, SOC/SOH tracking, and anti-theft.
- ▶ Wide Inverter Compatibility — Can work with most inverter brands on the market.
- ▶ Versatile Communication — RS485, CAN, RS232 with optional WiFi, Bluetooth, SNMP, and dry contacts.
- ▶ Scalable Design — Supports up to 16 units in parallel for flexible expansion.
- ▶ Compact Vertical Design — Space-saving cabinet with easy front access for installation and maintenance.

Technical Parameter

Model	BMF51230
Specifications	
Battery Type	LiFePO4
Rated capacity	230AH
Nominal Voltage	51.2Vdc
Available electricity	11.78kWh
Adjustable working voltage(Vdc)	20.8V-29.2Vdc
Max.Continuous discharge current(A)	200A(10℃~30℃);100A(40℃~55℃℃)
Max.pulse discharge current(A)	300A(1 sec) configurable
Max.Continuous charge current(A)	200A(10℃~30℃);100A(30℃~45℃)
Cycle life(+25 ℃ 0.2C 80% DOD)	>4000 Cycles
Cell Equalizer Current(A)	>70mA
Terminal	M8
Storage duration	6 months at 25℃
Safety standard	IEC62619,UN38.3,MSDS
Maximun parallel connection	16pcs
Ingress protection	IP21
Communication function	RS485/CAN/RS232 (standard),SNMP/ifi/Bluetooth/Dry contact (optional)
Communicate with mainstream inverter	PYLON/Growatt/Voltronic/GoodWe/Luxpowertek/Sorotec/GINL ONG/Schneider/SMA/ Senergy/MUST/TBB/STUDER/WOW/Deye/SVC Energy etc.
Protection	
Protection	Overcharge protection\Overdischarge protection\Overcurrent protection\ Shortcircuit protection\Overtemperature protection
Ambient	
Noise(dB)	<40dB(1 meter)
Working temperature	-20℃~+55℃ (according to above charge and discharge specifications)
Humidity	0~95%(no condensation)
Altitude(m)	<3000
Dimension	
L*W*H(product size)mm	L450 *W331*H864
L*W*H(package size)mm	L562* W365*H1034
Net Weight(Kg):	102.8
Gross Weight(Kg):	113.2

Additional Features (optional feature) LCD Display
Due to different communication protocol versions, it is necessary to confirm clearly before shipment
Product specifications are subject to change without notice.