

Residential Battery Module

BMF series

8KWH / 16KWH



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

- ▶ Cells cycle times 8000 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.



BMF25314



BMF51314

Technical Parameter

Model	BMF25314	BMF51314
Specifications		
Battery Type	LiFePO4	
Battery Model	25.6V314Ah	51.2V314Ah
Nominal Capacity(25℃ , 0.2C)WH	8.04kWh	16.08kWh
Adjustable working voltage(Vdc)	41.6V~58.4Vdc	
Max.Continuous discharge current(A)	200A (-20℃~40℃); 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)	> 8000 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),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/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 *W330*H750	L500*W361*H873
L*W*H(package size)mm	L600* W370*H900	L662*W402*H1027
Net Weight(Kg):	62.8	124.2
Gross Weight(Kg):	83.4	156.6

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.