

Lithium Battery Energy Storage System

BMF series

8KWH / 16KWH



BMF SERIES ENERGY STORAGE SYSTEM

The BMF Series Energy Storage System utilizes lithium iron phosphate batteries, developed to meet household backup power needs. Its built-in intelligent BMS protects the battery pack and extends its service life. The vertical design is elegant and easy to install in homes.

For More about SVC range of products, visit:
www.svcenergy.com

Main Features

- ▶ 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° 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	BMF25314	BMF51314
Specifications		
Battery Type	LiFePO ₄	
Battery Model	25.6V314Ah	51.2V314Ah
Nominal Capacity(25℃)WH	8.04kWh	16.08kWh
Adjustable working voltage(Vdc)	20.8V~29.2Vdc	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℃)	
Designed lifespan	10+ years life design	
Cell Equalizer Current(A)	≥70mA	
Terminal	M8	
Storage duration	6 months at 25℃	
Safety standard	IEC62619,UN38.3,MSDS	
Maximum 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\Overdischarge\Overcurrent\Shortcircuit\Overtemperature	
Ambient		
Noise Level(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) LCD Display
Due to different communication protocol versions, please confirm compatibility before shipment.
Product specifications are subject to change without notice.