# 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.



BMF25314 BMF51314

## 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.