



Residential Lithium Battery

BLF51-5 Wall-mounted Battery: 51.2V100Ah

The BLF51-5 wall-mounted battery series is ideal for new installation of household energy storage. With high energy density and wall-mounted ways and IP65 level, BLF51-5 wall-mounted battery series is space-saving for indoor and outdoor installation. To serve evolving load requirement, flexible expansion can fit your energy demand of today and tomorrow.



Features

- Intelligent BMS with multiple protections
- Double and Robust mechanical protection
- IP65 supporting indoor and outdoor installation
- Long cycle life and Safest prismatic LFP batteries
- Reliable performance: High efficiency and 90% DOD
- Easy and quick installation and expansion by modular design



Safe to Use



Long Cycle Life



Modular Expansion



Flexible Integration

Compatible Products



Hybrid Inverter



AC Coupled Inverter

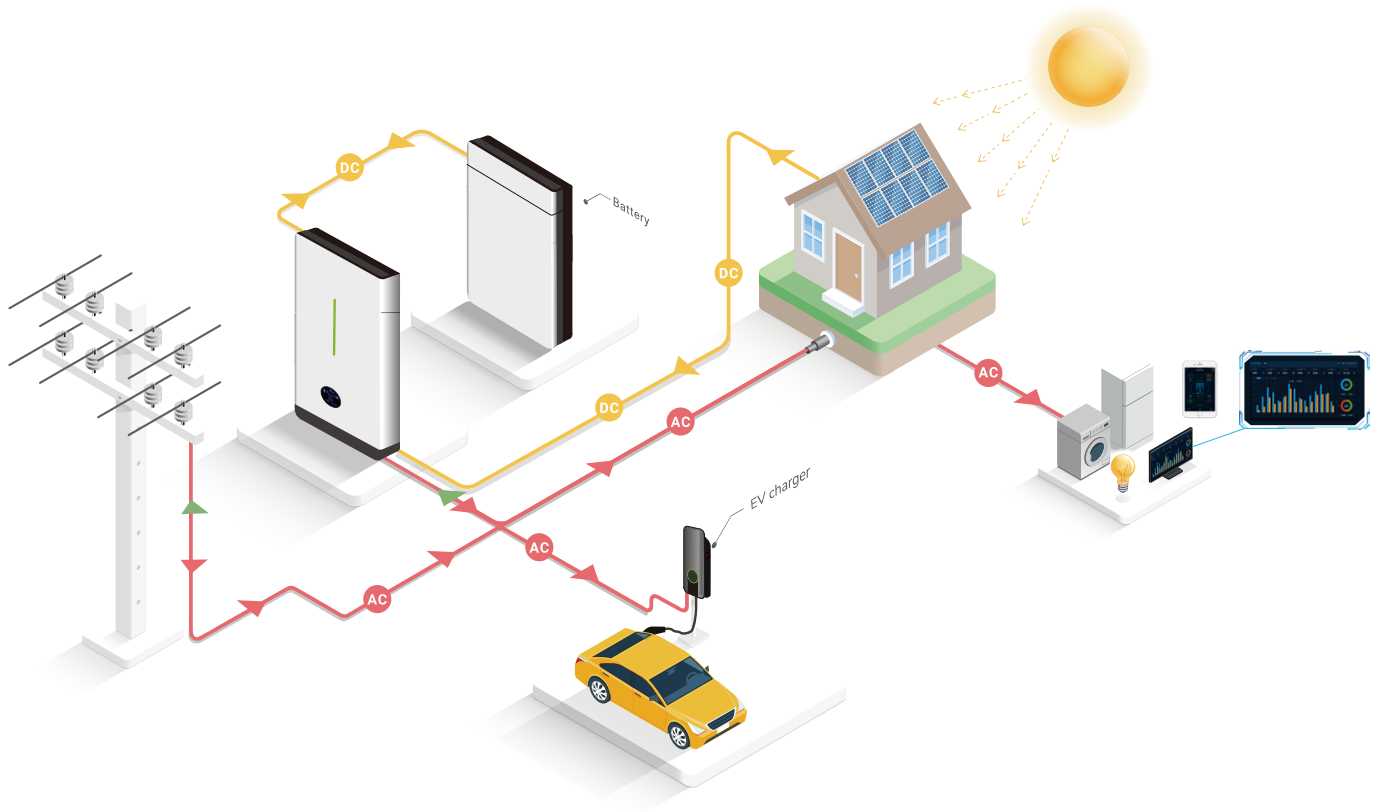


Off-grid Hybrid Inverter



Battery Inverter

System Diagram—Residential



Specifications

Model	BLF51-5
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Energy	5.12kWh
Depth of Discharge	90%
Usable Energy	4.6kWh
Dimension(W*H*D)	IP21: 415*662*178mm; IP65: 415*685*178mm
Weight	55kg
Max. Charge/Discharge Current	50A/100A
Operating Temperature	Charge: 0 C -50 C ; Discharge: -10 C -55 C
Operating Humidity	5%-95%
Operating Attitude	<4000m
Communication	RS485/CAN
Scalability	Up to 5 modules/25kWh
Cooling Type	Natural
Ingress Protection	IP21/IP65
Cycle Life ^[1]	6000 Cycles
Standard Warranty	5 Years/10 Years (Optional)
Authentication Level	IEC62619/CE/UN38.3

[1]: Test conditions: 0.2C Charging/Discharging, @25°C, 80% DoD, 60% EOL.