



Residential Lithium Battery

BLF48100 Rack Battery: 48V100Ah

The BLF48100 is ideal for new installation of household energy storage. With high energy density and multiple mounting ways, BLF48100 is space-saving for all kinds of installation. To serve evolving load requirement, modular design can fit your energy demand of today and tomorrow.



Features

- Long cycle life
- Safest prismatic LFP batteries
- Compatible with RS485 and CAN
- 19" rack mount chassis cabinet & simple stack & wall mounted
- Intelligent BMS with multiple protections
- High efficiency & high density & 90% DoD
- Visual indicator of system, Power, Alarm, SOC
- Easy and quick installation and expansion by modular design



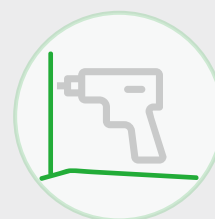
Safe to Use



Reliable Performance



Modular Expansion



Multiple Mounting Ways

Compatible Products



Hybrid Inverter



AC Coupled Inverter



Off-grid Hybrid Inverter



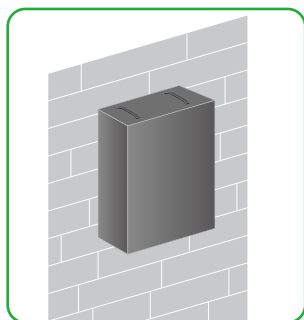
Battery Inverter

Specifications

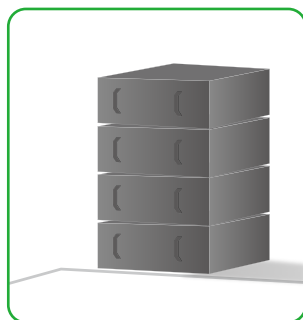
Model	BLF48100
Nominal Voltage	48V
Nominal Capacity	100Ah
Nominal Energy	4.8kWh
Depth of Discharge	90%
Usable Energy	4.3kWh
Dimension (W*H*D)	450*181*435 mm
Weight	45kg
Max. Charge/Discharge Current	100A/100A
Operating Temperature	Charge: 0 °C -50 °C Discharge: -10 °C -55 °C
Operating Humidity	5%-95%
Operating Altitude	< 4000m
Communication	RS485/CAN
Scalability	Up to 16 Modules
Cooling Type	Natural
Ingress Protection	IP20
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.

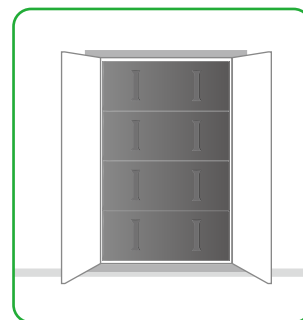
Mounting Method



Wall Mounted



Stack Installation



Rack Installation