

Low-Voltage Residential Battery

BLF-B51100 (5.12kWh)
BLF-B51150 (7.68kWh)

The BLF-B51100/B51150 Lithium battery system is ideal for new installation of household energy storage. With high energy density and wall-mounted solution, BLF-B51100 battery system is space-saving for indoor installation. To serve increasing load requirement, the flexible expansion can fit your energy demand of today and tomorrow.

Product Benefits

- Intelligent BMS with multiple protections
- Reliable performance: high efficiency and 90% DOD
- Double and robust mechanical protection
- Long cycle life and safest prismatic LFP batteries
- Easy and quick installation and expansion with modular design, up to 5 units in parallel



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BLF-B51100/B51150

BATTERY

Model	BLF-B51100		BLF-B51150	
Cell Type	LFP			
Nominal Voltage	51.2 V			
Operating Voltage Range	43.2-57.6V			
Nominal Capacity	100 Ah		150 Ah	
Nominal Energy	5 kWh		7.68 kWh	
Max. Power	Charge: 4.1 kW; Discharge: 5 kW		Charge: 5.12 kW; Discharge: 5.12 kW	
Depth of Discharge	100%, recommending 90%		100%, recommending 90%	
Dimensions (W × H × D)	335 × 622 × 135.5 mm		364 × 585 × 165.5 mm	
Weight	42.6 kg		63 kg	
Max. Charge/Discharge Current	80 A / 100 A			
Operating Temperature	Charge: 0°C to 50°C; Discharge: -20°C to 55°C			
Operating Humidity	5%-95%			
Storage Temperature	-20°C to +60°C			
Operating Altitude	<4000 m			
Communication	RS485/CAN			
Scalability	Up to 5 Modules / 25 kWh		Up to 5 Modules / 38.4 kWh	
Cooling Type	Natural			
Ingress Protection	IP20		IP21	
Installation Location	Wall-mounted			
Cycle Life	6000 Cycles[1]			
Authentication Level	IEC 62619 / IEC 61000 / UN38.3			

[1]: Test conditions: 0.5C Charge/0.5C Discharge, @25°C, 90% DOD, 70% EOL.