LIVOLTEK

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

202608V1 Edition
Design and specifications are subject to change without notice

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BATTERY

BLF-B51100/B51150

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.