

LOW-VOLTAGE RESIDENTIAL BATTERY

IP21 LITHIUM BATTERY:
BLF-B51100 – 5.12KWH BLF-B51150 – 7.68KWH

The BLF-B51100 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
-  IP21 supporting indoor installation
-  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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BATTERY

Model	BLF-B51100		BLF-B51150	
Cell Type	LFP			
Nominal Voltage	51.2V			
Operating Voltage Range	43.2V - 57.6V			
Nominal Capacity	100Ah		150Ah	
Nominal Energy	5.12kWh		7.68kWh	
Max. Power	Charge: 4.1kw; Discharge: 5.12kw		Charge: 5.12kW; Discharge: 5.12kW	
Depth of Discharge	100%, recommending 90%		100%, recommending 90%	
Usable Energy	5.12kWh		7.68kWh	
Dimension(W*H*D)	335*622*135.5 mm		585*364*165.5 mm	
Weight	42.6kg		63kg	
Max. Charge/Discharge Current	100A / 100A			
Operating Temperature	Charge: 0 °C - 50°C; Discharge: -10°C - 55°C			
Operating Humidity	5% - 95%			
Storage Temperature	-20°C to +60 °C			
Operating Attitude	< 4000m			
Communication	RS485 / CAN			
Scalability	Up to 5 Modules / 25kWh		Up to 5 Modules / 38.4kWh	
Cooling Type	Natural			
Ingress Protection	IP21			
Installation Location	Wall -mounted			
Cycle Life	6000 Cycles[1]			
Authentication Level	IEC61000/UN38.3			

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