

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

BLF-B51100 – 5.12KWH BLF-B51150 – 7.68KWH

| 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.