LIVOLTEK

LOW-VOLTAGE RESIDENTIAL BATTERY

BLF Series Battery: BLF-12100/12200/12280/24100

BLF series Li-ion Battery is a reliable and cost-effectiveenergy storage solution. With its high-quality materials and advanced manufacturing process, BLF series offers high energy density, long cycle life, and excellent performance,and it also guarantees safety, efficiency, and environmental friendliness.

Safe & Flexible to Use

- Operating within a widly temperature range of-20 to 55 degrees.
- Deep cycles, automatically cut off power when reaching the cut-off voltage.

Long-lasting Endurance

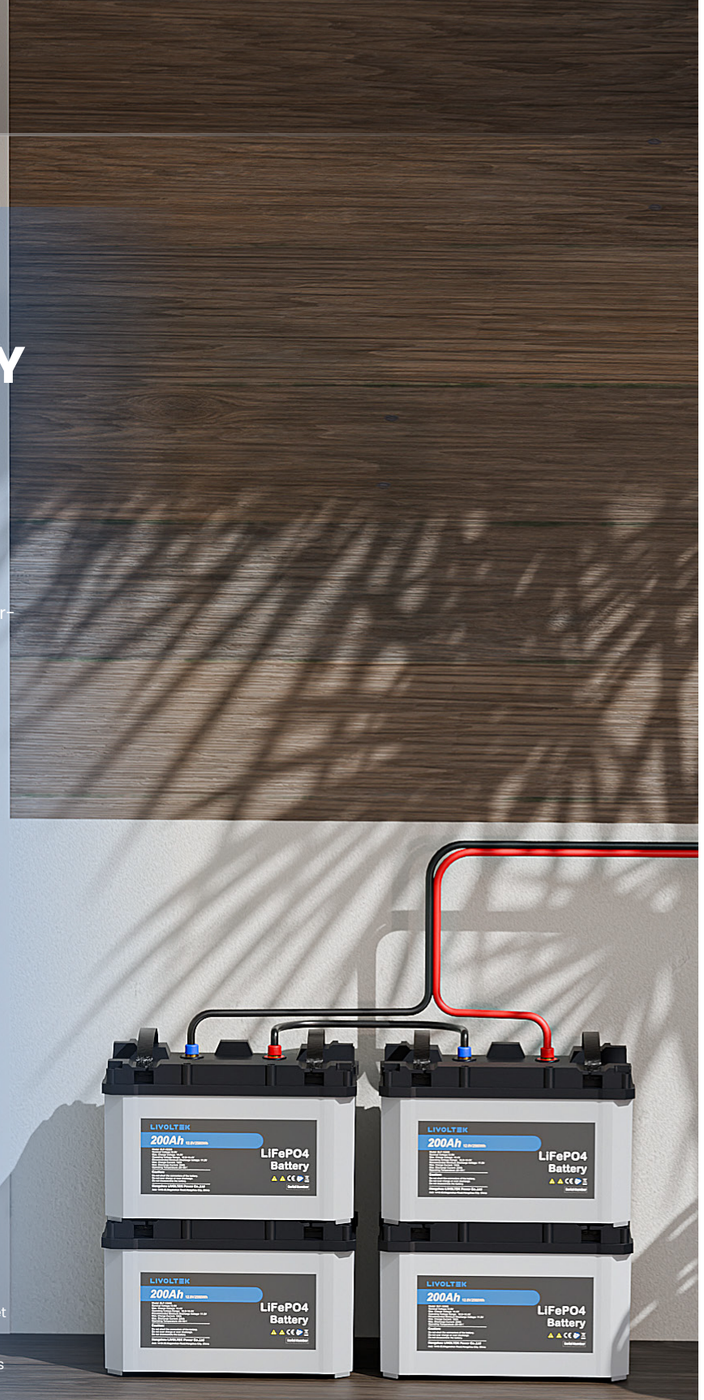
- Supports up to 6000 charge-discharge cycles.
- Supports 4-series boosting to form a 51.2V system.

User Friendly

- Compatible with all off-grid inverters and hybrid inverters on the market (requiring such inverters to support the lithium battery working mode).
- Low price: with costs essentially on par with those of lead-acid batteries of the same level
- Lightweight - 1/3 the weight of lead-acid batteries of the same capacity

Modular Expansion

- Maximum support for 4-series and 4-parallel expansion, reaching a
- total capacity of 40kWh



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BATTERY

BLF Series Battery: BLF-12100/12200/12280/24100

Model	BLF-12100	BLF-12200	BLF-12280	BLF-24100
Cell Type	LFP			
Nominal Voltage (V)	12.8	12.8	12.8	25.6
Operating Voltage Range (V)	10.0-14.4	10.0-14.4	10.0-14.4	20.0-28.8
Rated Capacity (Ah)	100	200	280	100
Total Energy (kWh)	1.28	2.56	3.584	2.6
Rated Charge/Discharge Current (A)	50/50	100/100	140/140	50/50
Max. Charge/Discharge Current (A)	50/80	100/160	140/224	50/80
Depth of Discharge	100%			
Operating Temperature (°C)	Charge: 0 to 55; Discharge: -20 to 55			
Operating Humidity(%)	5-95			
Operating Altitude(m)	<4000			
Cooling Type	Natural			
Protection Rating	IP65			
Terminal	M8 × 16			
Cycle Life	6000 Cycles[1]			
Dimensions (W × H × D, mm) ±1	246 × 215 × 203	364 × 265 × 253	364 × 265 × 253	364 × 265 × 253
Weight (kg)	9.4±0.5	19.2±0.8	25.9±0.6	18.5±0.8

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