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.

Features

- **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

- **Modular Expansion**

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

- **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





Specifications

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	10~14.4	10~14.4	20.0~28.8
Rate Capacity(Ah)	100	200	280	100
Total Energy(kWh)	1.28	2.56	3.584	2.6
Rated Charge Discharge Current(A)	50/50	50/100	100/100	50/50
Max Charge Discharge Current(A)	100/100	100/200	140/200	100/100
Depth of Discharge	100%			
Operating Temperature (℃)	Charge: 0~55℃			
Operating Humidity	5%~95%			
Operating Altitude	< 4000m			
Cooling Type	Natural			
Protection Rating	IP65			
Terminal	M8 * 16			
Cycle Life	6000 Cycles[1]			
Dimensions(mm)	333*223.7*175.5	521.5*220.8*238	521.5*220.8*238	521.5*220.8*238
Weight(kg)	10	20	24	20

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