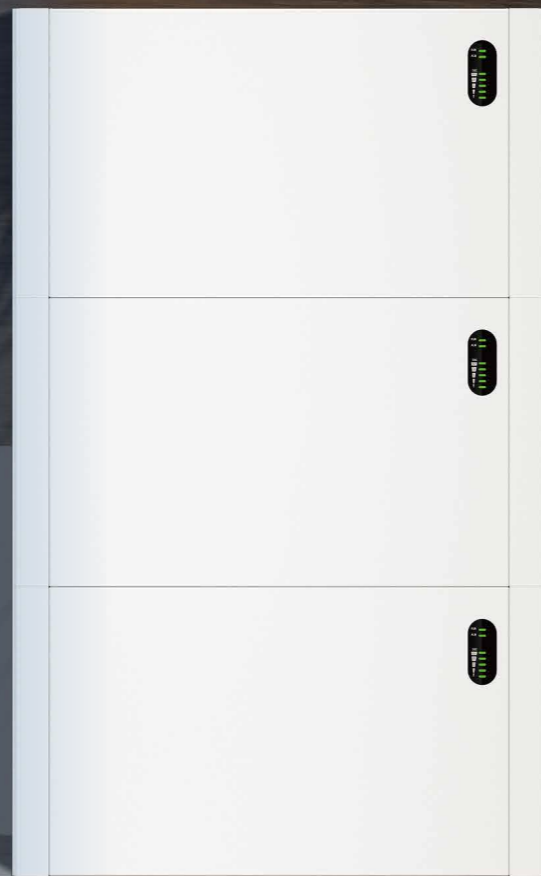


## LOW-VOLTAGE RESIDENTIAL BATTERY

BLF-P5/10/15/20/25/30

The BLF-P05-30 battery is an advanced lithium iron phosphate (LFP) battery designed specifically for home energy storage. With a single pack capacity of 5.12kWh and 100Ah cells, it features high energy density and a stacked installation design. Leveraging the safe and durable LFP chemical properties and an intelligent battery management system, it is easy to install and compatible with residential and commercial renewable energy systems, providing customers with efficient and stable energy storage solutions.






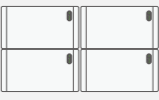


### Product Benefits

- Modular stack design, easy to install and expand.
- Supports web/app remote data viewing and remote program upgrade.
- Cycle times exceed 6,000, significantly enhancing the full life cycle usage value.
- BMS intelligent management, extending battery life.
- IP65 protection level, reducing failure risks.
- Equipped with a low-temperature heating function, enabling charging in cold environments.

## LOW-VOLTAGE RESIDENTIAL BATTERY

BLF-P5/10/15/20/25/30

BATTERY

Model	BLF-P05	BLF-P10	BLF-P15	BLF-P20	BLF-P25	BLF-P30
Technical Properties	 1 pack	 2 packs	 3 packs	 4 packs	 5 packs	 6 packs
Cell Type	LFP					
Nominal Voltage	51.2V					
Operating Voltage Range	43.2-57.6					
Battery Pack Module	51.2V 100Ah 5.12 kWh					
Pack Number	1	2	3	4	5	6
Total Energy	5.12kWh	10.2kWh	15.4kWh	20.5kWh	25.6kWh	30.7kWh
Usable Energy	4.6kWh	9.2kWh	13.8kWh	18.4kWh	23kWh	27.6kWh
Rated Capacity	100Ah					
Nominal Power	5.12KW	10.24KW	10.24KW	10.24KW	10.24KW	10.24KW
Max. Power	5.8KW 3S	11.7KW 3S	11.7KW 3S	11.7KW 3S	11.7KW 3S	11.7KW 3S
Depth of Discharge	90%					
Max. Charge/Discharge Current	85A/100A	170/200A		170/200A 340A/400A(with combiner box)		
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					
Cooling Type	Natural Cooling					
Ingress Protection	IP65					
Installation Location	Wall-mounted / Ground-mounted					
Cycle Life	6000 Cycles[1]					
Dimension(W*D*H)	720*185*389 mm	720*185*778 mm	720*185*1167 mm	720*185*778 mm	720*185*1167 mm	720*185*1167 mm
Weight	65 kg	110 kg	155 kg	260 kg	325 kg	390 kg

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