



# Residential LFP Battery Series

CF PrimeWall 15

51.20V 314Ah 16.076kWh

Version: V1.0



The CF PrimeWall 15 is a solar lithium battery for home use. Its intelligent Battery Management System (BMS) can monitor and optimize battery performance in real - time, extend its service life, and enable remote control via a mobile app, making it convenient for you to track your home's energy situation. It is easy to install, and the wall - mounted design saves space. In case of an emergency, it can serve as a power bank to supply power to home appliances, adapting to various scenarios.

**Hunan Chalong Fly Technology Co., Ltd.**

## FEATURES



### Multi-Scenario

- With optional detachable wheels, the battery also offers mobile energy storage functionality
- IP65 protection rating for all-weather use



### Longer Life and Safer

- A+ grade lithium iron phosphate
- Built-in hot aerosol fire extinguishing device



### Low Maintenance

- Firmware update service via built-in BLE
- Check battery operation status and configure BMS via BLE



### Flexible and Expandable

- Up to 20 units in parallel
- The parallel system's max capacity is 321.52kWh



### Certification

- UN38.3, MSDS, TCAR, CB, CEI 0-21

## Dimensions



Product Name		CFPrimeWall15
Electrical Characteristics		
Nominal Voltage	51.2V	
Nominal Capacity	314Ah	
Energy	16.076Wh	
Battery Chemistry	Lithium Iron Phosphate (LFP)	
Cycle Life / DOD	8,000 cycles @ 80% DOD, DOD Max 95%	
Operating Voltage	44.8-57.6V	
Communication Interfaces	CAN/RS485/RS232	
Scalable	Up to 20units	
Expansion function	Single-pack level heat aerosol fire extinguishing device / Heating function / Bluetooth / Wheels (optional)	
Charge & Discharge		
Recommended charging/discharging current	140A	
Maximum continuous charge/discharge current	200A	
Recommended charging/discharging current	250A 10S	
Conversion efficiency	99% , 25°C/0.5C	
Environmental		
Environment	Indoors/under the outdoor eaves	
Charging Temperature	With heating function: -20-55°C ; Without heating function: 0-55°C	
Discharging Temperature	-20 to 60 °C	
Storage Temperature	Between 20°C and 45°C within three months; 25 ± 3°C for more than three months	
Storage humidity	65+20%RH	
Altitude	≤3,000 m	
Cooling Method	Natural Convection	
IP Rating	IP65	
Mechanical		
Dimension(L*W*D)	800*500*227mm	
Weight	149kg	
Installation	Wall mount or floor	
Certification		
UN38.3, MSDS, TCAR, CB, CEI 0-2I		

\*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.

\*\*The specifications are subject to change without prior notice.



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