



**FJ POWER**  
& SECURITY SOLUTIONS



# FJ POWER Energy Wall Battery

FJ Power & Security Solutions

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## Introduction

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Are you troubled by power outages? Are you paying high electricity bills every month now? If your answer is "yes", FJ Power EnergyWall Battery is your best choice. The ultra-modern design can provide high safety, long cycle life, good high and low temperature performance, pollution free, etc. With these unique advantages, FJ power brand is widely popular in more than 80 regions and countries. Come and join the team of FJ power EnergyWall users.

## Technical features

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### ① High cycle life and deep cycle ability

>6000 cycles @ 100% DOD @ 25°C.



### ② Intelligent communication function

It supports CAN, RS485 & RS232 communication, and can meet the requirements of Mainstream PV inverter communication protocols.



### ③ Light weight, high energy density backup power

The HT lithium batteries, due to their excellent exterior design, it saves a lot of space for your home and reduce energy loss.



### ④ Safety

As HT LiFePO4 batteries adopt the most advanced lithium iron technology, automobile level assembly process, there is no risk of explosion and fire.



### ⑤ Intelligent battery management system

Built-in intelligent BMS protects battery from over-charge, over-discharge, over-current, short circuit, high/low temperature, off-line, delay protection.

## Maintenance and Care

- **Installation note**

The installation and storage of the energy storage battery should try to avoid the environment of high corrosion, high dust, high temperature and high humidity, especially avoid metal substances falling into the box.

- **Long-term storage**

The battery should be stored according to the storage requirements, the best storage temperature is 20-30 °C, 3 months to complete a charge and discharge operation and charge to 70%.

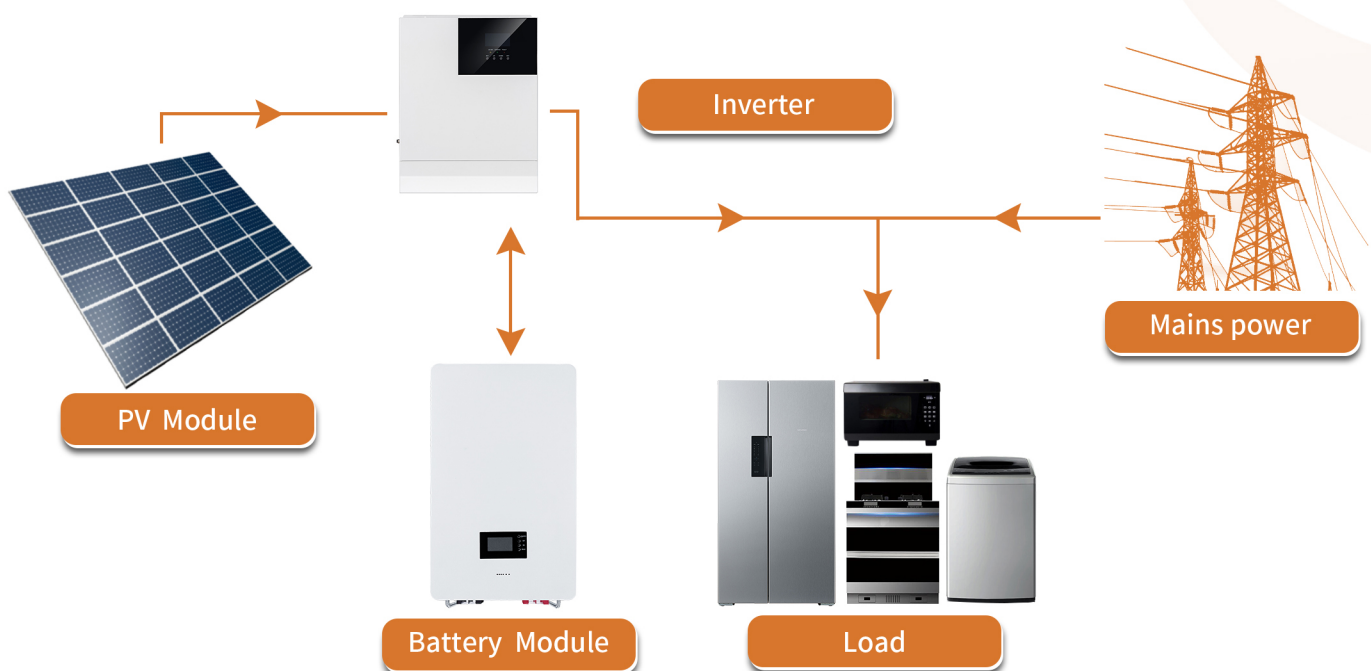
- **Regular inspection**

Periodically check whether the connection wires are aging, whether the connection points are tight, and whether the terminal screws inside the box are tight.

- **Safe handling**

When there is a fault, please deal with the user manual. If you still cannot solve the problem, please contact the dealer or the manufacturer. Do not disassemble the parts by yourself.

## FJ Power Wall Energy LiFePO4 Battery System:



## Advantages

- High energy density, high conversion efficiency, excellent battery management system, and a design life of 15 years.
- Parallel connection available for flexible system capacity extension;
- Compatible with Victron, Deye, Voltronic, Goodwe, Growatt, Megeeravo, Schneider, and other leading inverters
- The product has the functions of remote adjustment, remote signaling, remote control, telemetry and short circuit protection.
- Conforms to safety standards of IEC62619,CE,Rohs, UN38.3,MSDS.

Battery type	LifePO4(Lithium iron phosphate battery)
Battery Model	HT Energywall-51100W
Nominal Voltage	51.2V
Nominal Capacity	100ah
Nominal Energy	5.12KWH
Cycle Life	≥6000 cycles @ 80% DOD, 25°C, 0.5C
Design Life	≥15 years@25°C
Working Voltage	42V-58.4V
Rated Charge/Discharge Current	50A/100A@25±2°C
Max.Continuous Work Current	100A@25±2°C
Dimensions	578.5 x458.5 x172.4mm
Working Temperature Range	Charge: 0°C~50°C
	Discharge: -20°C~50°C
	Storage: -10°C~50°C @ 60%±25% relative humidity
Weight	48kg±3kg
IP Grade	IP20
Communication Mode	Can&RS485
Altitude Limited (m)	0-3000m
Humidity (%)	5~95%
Compatible Inverter	SMA,SolarEdge, Sungrow, Huawei, Victron Energy, Schneider, Growatt, InfiniPower, Ginlong, Sofar, Solax, East,Deye, Goodwe, Kstar, etc.
Batteries in parallel	Support up to 16 batteries in parallel
Certification	UN38.3,MSDS,CE,IEC62619(Cell)