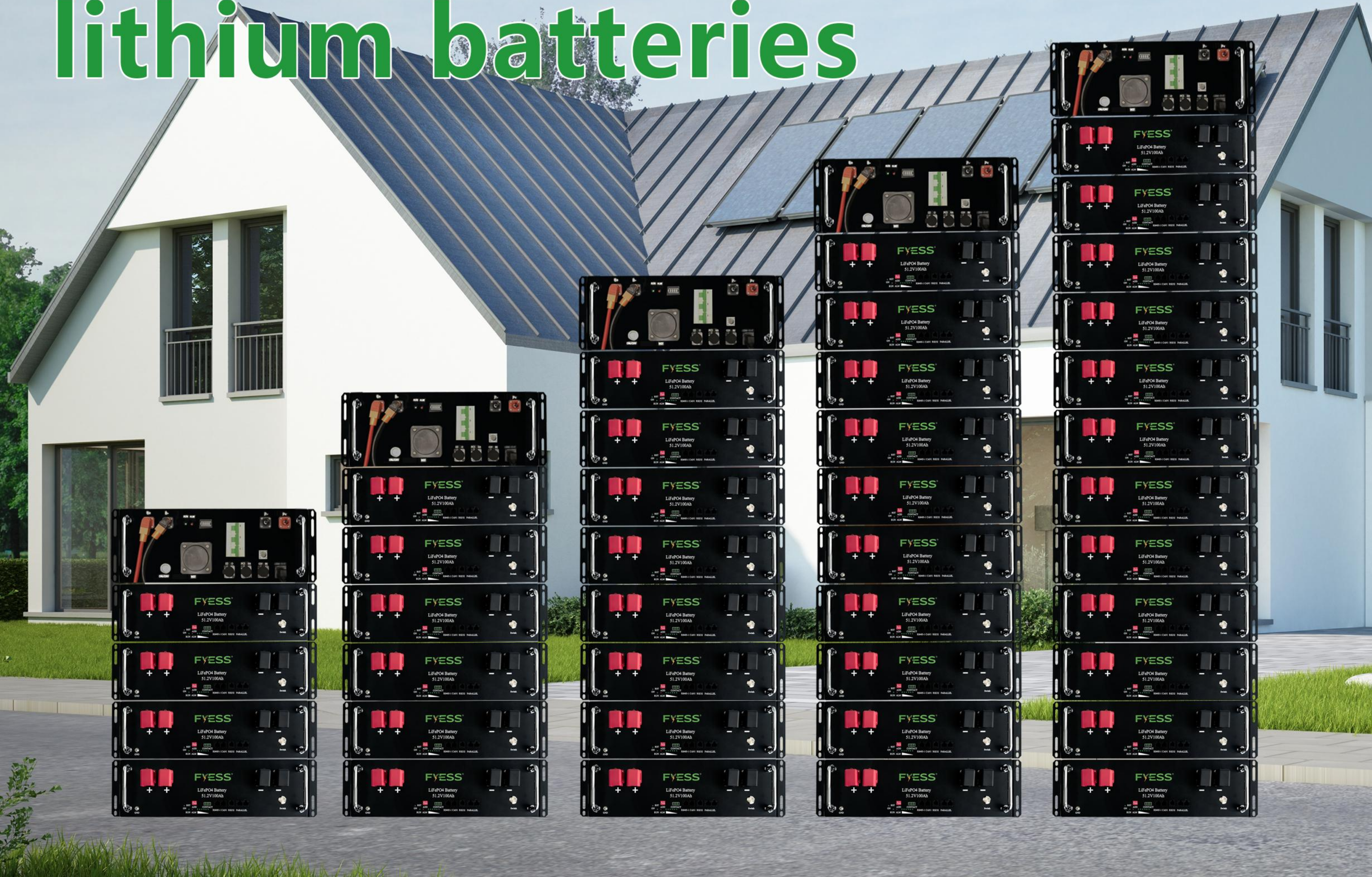




# Residential High Voltage lithium batteries



## Convenient

Quick installation, Support Wallmounted, Ground, and Stackable installation

## Safe and reliable

Built-in BMS to ensure high safety

## Flexible configuration

Compatible with most leading inverters

## OEM / ODM Customization

Rack Battery Solutions for Telecom & Commercial Use  
High-Voltage ESS Design for Renewable Energy Projects

## Intelligent BMS

Our advanced Battery Management System (BMS) offers precise monitoring and control of each battery module. It enhances safety, balances charging/discharging, and prolongs battery life.

## Compact & Modular Design

The system is built around stackable 5.12kWh LiFePO4 modules. the cabinet allows scalable energy storage depending on project size, saving installation space and cost.

## Battery Specifications

Model No	FY-GY 20KWH	FY-GY 30KWH	FY-GY 40KWH	FY-GY 50KWH	FY-GY 60KWH
Nominal Capacity	20.48Kwh	30.72Kwh	40.96Kwh	51.20Kwh	61.44Kwh
Cell Matching	64S1P	96S1P	128S1P	160S1P	192S1P
Nominal Voltage	204.8V	307.2V	409.6V	512V	512V
Working Voltage Range	176~233.6V	264~350V	352~467.2V	440~584V	537.6~691.2V
Weight	201.4Kgs	309.6Kgs	492.8Kgs	499Kgs	582.2Kgs
Dimension (W*D*H)	480*480*70mm	480*480*980mm	480*480*1260mm	480*480*1540mm	480*480*1820mm
Battery Type	LiFePO4 Battery				
Nominal Working Current	100A				
Communication Port	CAN/TCP/IP				
Working Temperature Range	Charge:0-55°C/Discharge:-20-55°C				
Waterproof	IP20				
Installation Method	Floor-standing				
Cycle Life	≥6000(25±2°C,0.5C/0.5C,80%EOL)				
Peak Charge/Discharge	150A				
Discharge Rate of Module	<3.5%/month/@25°C				