

## Lithium Iron phosphate Battery Powerwall

### Brief Introduction

LPW series Power Wall battery system is 48V system for communications back-up type LiFePO4 (lithium iron phosphate) battery products, the system uses the advanced LiFePO4 battery technology with the benefit of long cycle life, small size, light weight, safety and environmental protection, and has a strong environmental adaptability, it is idea for harsh outdoor environments.

The system also integrates a smart battery management and monitoring module, support for remote centralized monitoring and remote battery management and maintenance, to meet the requirements of unattended. Therefore, the LPW system can fully meet the backup power supply requirements of the access network equipment, mobile communications equipment, transmission equipment, micro base stations and microwave communication equipment.



### Applications

Solar Energy/Off-Grid Solar System  
BTS Stations, Telecom System, BT Tower  
Access net work system  
UPS System, EPS System  
Terminal of FTTX

### General features

Able to operate at -20~60°C  
≥ 6000 times Cycles  
Easy installation, wall-mounted  
Long life high stability under high-temp. environment (no cooling needed)

### Complied Standards

UN38.3	RoHS/Reach
ISO	CE



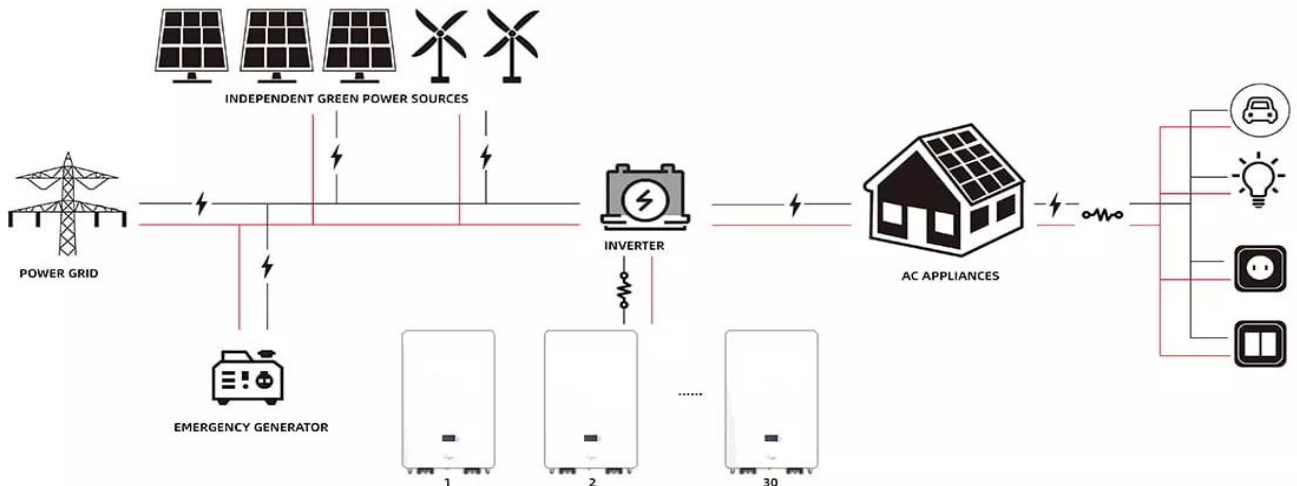
### LiFePO4 Advantage

- Battery Management System built-in which protects the battery from short circuits, overloads and deep discharge.
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions
- The BMS also balances cells in order to guarantee longer battery life.
- Safe Lithium Iron Phosphate Technology
- Flame retardant system to UL94V-0
- Thousands of cycles, under normal conditions
- Excellent high temperature performance -20°C to 60°C
- Low self discharge rate of 2 years before required recharging
- High energy density and conversion efficiency
- Can use most standard VRLA chargers for this system
- Environmental Friendly, without any heavy metals
- Maintenance free throughout lifetime

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### LPW Series LifePO4 Battery Items specifications

Model	Voltage (V)	Capacity (Ah)	Dimension (mm)			Weight (kgs)	connect	Cell shape
			L	W	H			
LPW48V100	48	100	380	580	170	39	161P	≥6000 80%DoD
LPW48V150	48	150	750	580	170	58	161P	≥6000 80%DoD
LPW48V200	48	200	800	600	250	78	161P	≥6000 80%DoD
LPW48V250	48	250	950	950	30	104	161P	≥6000 80%DoD
LPW48V100H	51.2	100	380	580	170	42	161P	≥6000 80%DoD
LPW48V150H	51.2	150	750	580	170	62	161P	≥6000 80%DoD
LPW48V200H	51.2	200	800	600	250	82	161P	≥6000 80%DoD
LPW48V250H	51.2	250	950	950	30	110	161P	≥6000 80%DoD



### Performance Characteristics

