

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

IEC62619	RoHS/Reach
PSE/UL	GB/T19638
CB/CE	ISO9001



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





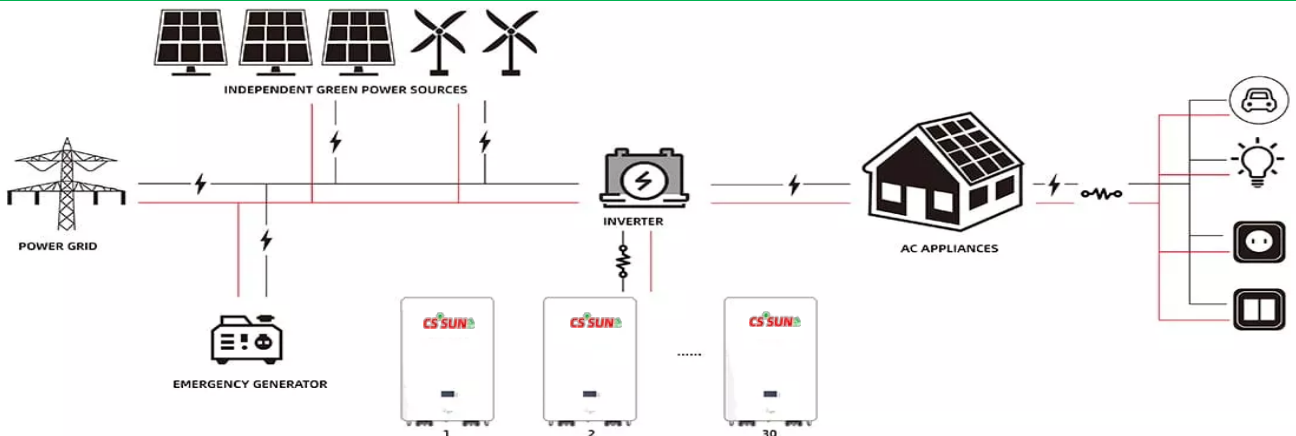
Durable Lithium Battery use CSSUN

LPW Series LiFePO4 Battery

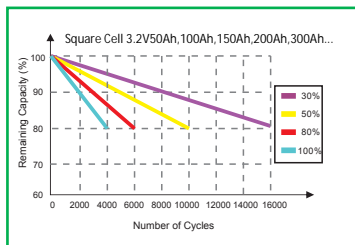
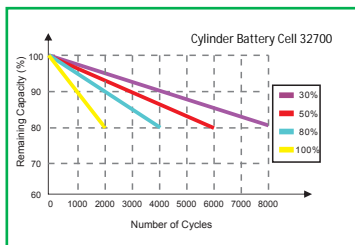
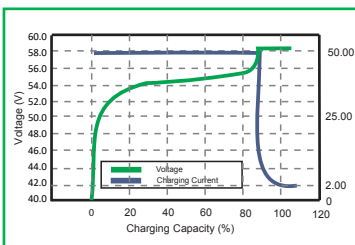
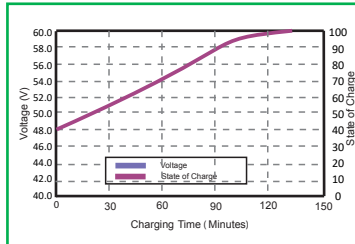
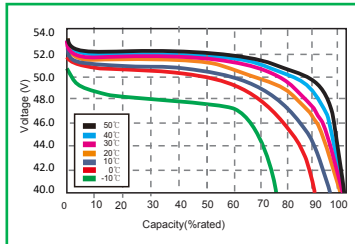
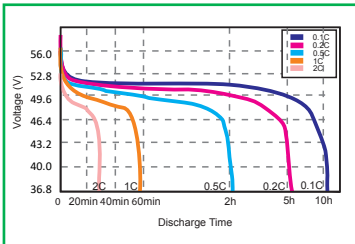
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LPW Series LifePO4 Battery Items specifications

Model	Voltage (V)	Capacity (Ah)	Dimension (mm)			Weight kgs	Square Cell	
			L	W	H		connect	Cycles
LPW24V100	25.6V	100Ah	330	505	145	25kgs	8S1P	≥6000 80%DOD
LPW24V200	25.6V	200Ah	380	580	170	38kgs	8S2P	≥6000 80%DOD
LPW48V50H	51.2V	100Ah	380	580	170	43kgs	16S1P	≥6000 80%DOD
LPW48V100	48.0V	100Ah	380	580	170	41kgs	16S1P	≥6000 80%DOD
LPW48V150	48.0V	150Ah	750	580	170	58kgs	16S1P	≥6000 80%DOD
LPW48V200	48.0V	200Ah	800	600	250	78kgs	16S1P	≥6000 80%DOD
LPW48V250	48.0V	250Ah	950	950	300	104kgs	16S1P	≥6000 80%DOD
LPW48V100H	51.2V	100Ah	380	580	170	43kgs	16S1P	≥6000 80%DOD
LPW48V150H	51.2V	150Ah	750	580	170	62kgs	16S1P	≥6000 80%DOD
LPW48V200H	51.2V	200Ah	800	600	250	82kgs	16S1P	≥6000 80%DOD
LPW48V250H	51.2V	250Ah	950	950	300	100kgs	16S1P	≥6000 80%DOD
LPW48V280H	51.2V	280Ah	950	950	300	108kgs	16S1P	≥6000 80%DOD
LPW48V300H	51.2V	300Ah	950	950	300	120kgs	16S1P	≥6000 80%DOD



Performance Characteristics



Notice: Voltage Based on 16S 3.2 Cell 51.2V

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