

LiFePO4 Battery Power Wall Battery

LPW Series Wall Mounted Battery
LiFePO4 Lithium Cell + Smart BMS
For Home Power System, Solar, Back Up ...



LPW Series Brief Introduce

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.

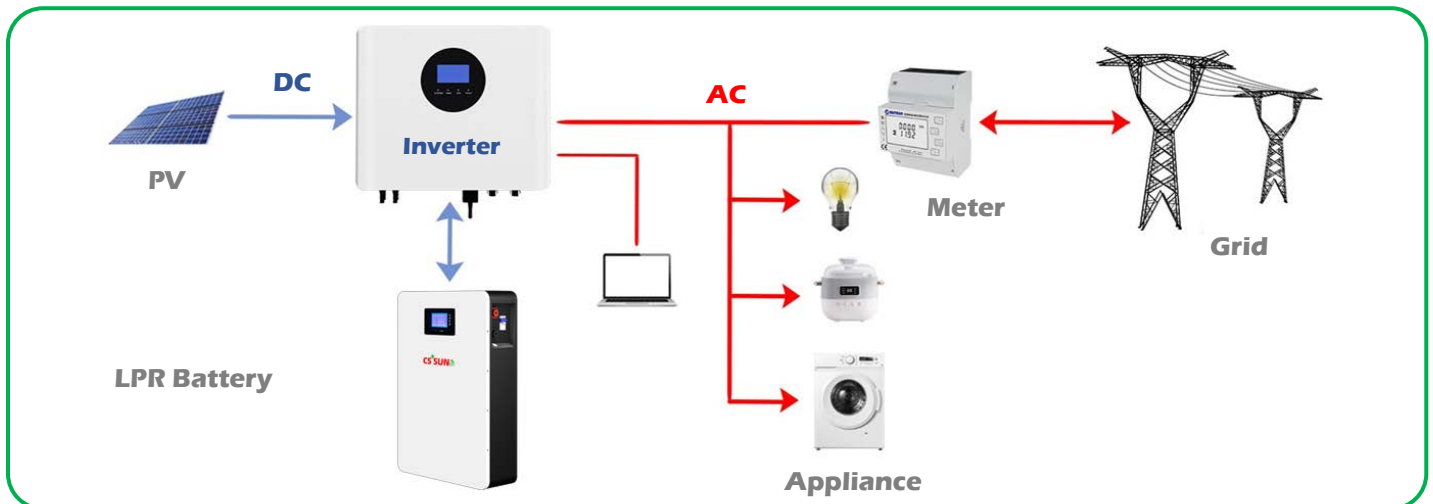
Safety

Long Life

19' Stand



Application Block Diagram



Technical 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	15S1P	≥6000 80%DOD
LPW48V100	48.0V	100Ah	380	580	170	41kgs	15S1P	≥6000 80%DOD
LPW48V150	48.0V	150Ah	750	580	170	58kgs	15S3P	≥6000 80%DOD
LPW48V200	48.0V	200Ah	800	600	250	78kgs	15S1P	≥6000 80%DOD
LPW48V250	48.0V	250Ah	950	950	30	104kgs	15S1P	≥6000 80%DOD
LPW48V100H	51.2V	100Ah	380	580	170	43kgs	16S1P	≥6000 80%DOD
LPW48V150H	51.2V	150Ah	750	580	170	62kgs	16S3P	≥6000 80%DOD
LPW48V200H	51.2V	200Ah	800	600	250	82kgs	16S2P	≥6000 80%DOD
LPW48V250H	51.2V	250Ah	950	950	300	100kgs	16S5P	≥6000 80%DOD
LPW48V280H	51.2V	280Ah	780	435	232.5	114kgs	16S1P	≥6000 80%DOD
LPW48V300H	51.2V	300Ah	780	435	232.5	121kgs	16S3P	≥6000 80%DOD
LPW48V320H	51.2V	320Ah	780	435	232.5	123kgs	16S1P	≥6000 80%DOD

Applications

- Home Solar Energy
- Off-Grid Solar System
- Residential BTS Stations
- Wind Energy System
- Telecom System, BT Tower
- UPS System, EPS System

General Features

- Quick installation, standard of 19-inch
- Build in Smart BMS
- Multiple battery modules, max 16pcs parallel
- Able to operate at -20~60°C
- Prismatic Cell, ≥ 6000 times Cycles
- Long life high stability under high-temp.

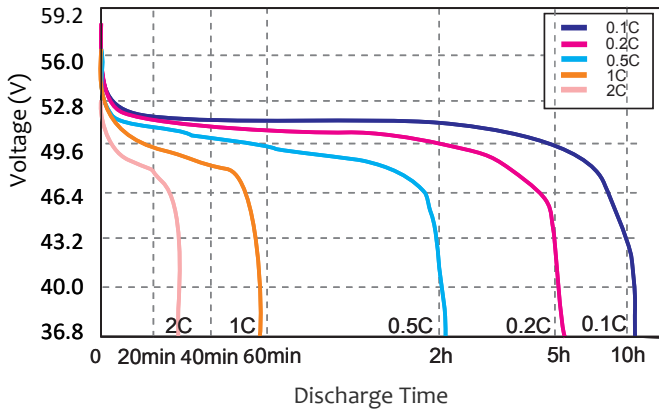


Battery BMS Specifications

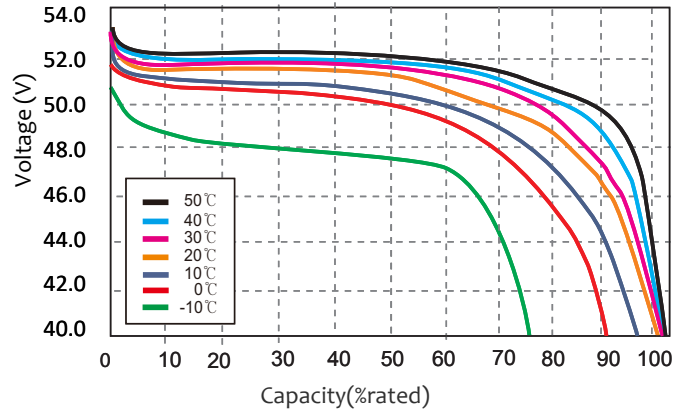
- Overcharge detection function
- Over discharge detection function
- Over current detection function
- Temperature protection
- Cell Voltage balance function
- Short detection function

Battery Performance Characteristics (Data test from 16 Series Cell)

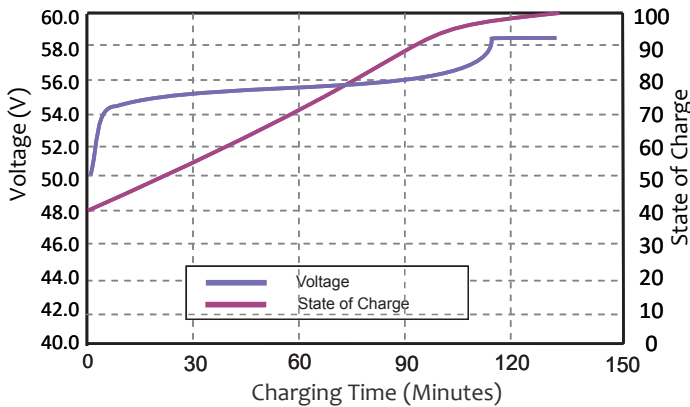
Different Rate Discharge Curve (25°C)



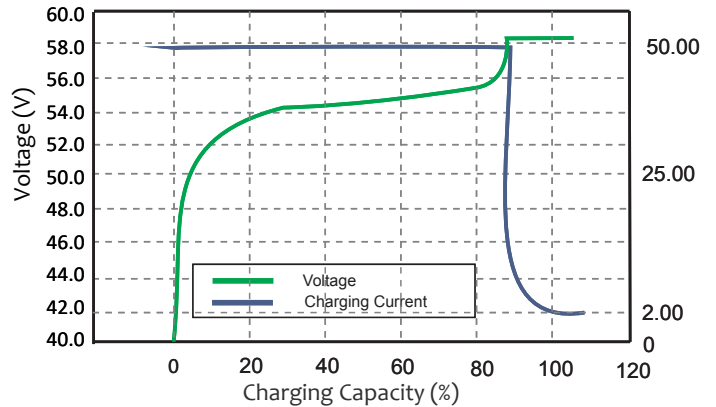
Different Temperature Discharge Curve At 0.5c



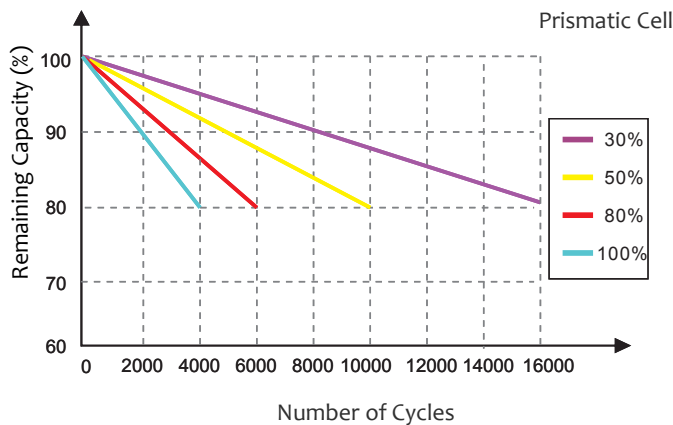
State Of Charge Curve At 0.5c (25°C)



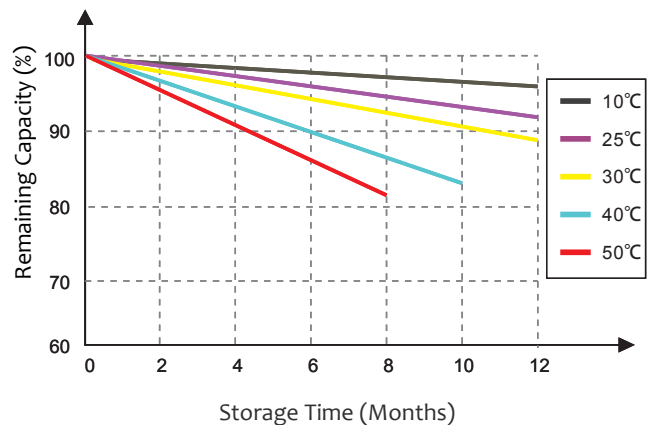
Charging Characteristics At 0.5c (25°C)



Cycle Life Curve At 1c According DoD



Self Discharge Characteristics Curve



Note: All above information shall be changed without prior notice, CSSUN reserves the right to explain and update the latest information. Welcome inquiry us!
SAFETY WARNING: Use only within the allowed parameters. Do not short circuit or over-load the battery. Charge only using an approved charger designed specifically to charge this battery. Do not heat above maximum temperatures indicated. Never crush, mutilate, puncture or abuse the battery. Do not dismantle the pack or disable any of the protective devices or circuits. Do not use the battery if you suspect it may be faulty or damaged.