



Durable Lithium Battery use CSSUN

LFP Series LiFePO4 Battery

Lithium Iron phosphate Battery for Replace VRLA Battery

Brief Introduction

LIGHT

QUICK

ECO



CSSUN's LFP Series rechargeable Battery Pack for Replace VRLA Battery are ideal applications to RVS, solar energy, boats, and power equipment. These lithium batteries offer a safe and lightweight solution, with higher efficiency, longer lifespan, and deep discharge capabilities compared to traditional sealed lead-acid batteries. Designed with advanced LiFePO4 technology, they provide benefits such as temperature protection and superior recharge and discharge efficiency. Despite higher costs, these batteries are more cost-effective in the long term due to their extended life span. LFP Series LiFePO4 batteries provide a reliable and worry-free energy solution for a range of applications.

Applications

Solar Energy/Off-Grid Solar System

BTS Stations, Telecom System, BT Tower

Wind Energy System, Pump, Marine

UPS System, EPS System

Wheel chair, Golf Car, Sweeper

Caravan, AGV, Forklifts,

Electric Powered Vehicles

General features

Able to operate at -20~60°C

≥ 6000 times Cycles

Robust Casing with Flame-retarded plastic UL94-Vo, IP56

Long life high stability under high-temp. environment (no cooling needed)

Build in BMS

Able to operate at -20~60°C



Long Life



Complied Standards

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



LiFePO4 Advantage

LiFePO4 technology surpasses lead acid technology in all areas: reliability, performance, security, cleanliness...

- Weight/power ratio = 70% lighter than lead acid batteries
- Battery life = lasts 4 to 5 times longer than conventional lead acid batteries
- Very low self-discharge rate
- Wide range of operating temperatures from -20°C to 60°C
- Unlike lead acid batteries, incomplete charges have no impact on battery life
- Extra security = leak-proof, as the battery does not contain acid. LiFePO4 batteries can therefore be installed in any position without risk of leakage.
- LiFePO4 technology eliminates the risk of explosion or combustion.
- LiFePO4 batteries are equipped with protection against short circuit currents (BMS), which protects the battery from short circuits, overloads and deep discharge.
- The BMS also balances cells in order to guarantee longer battery life.

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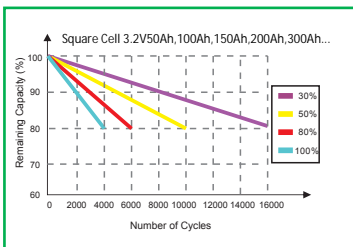
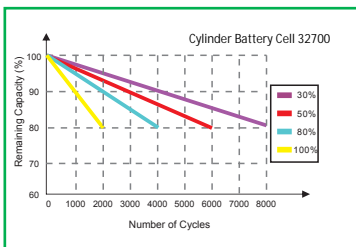
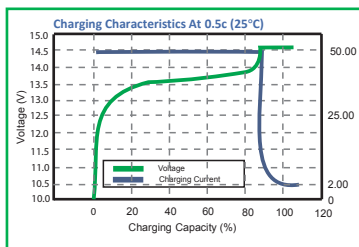
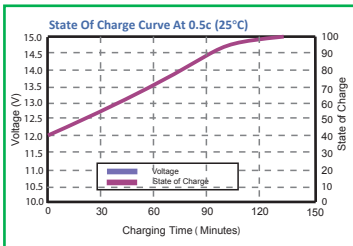
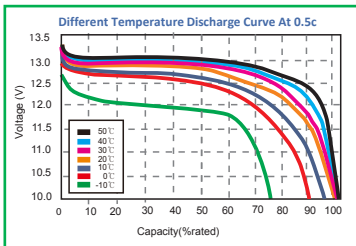
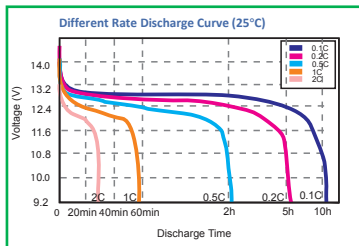
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LFP Series LifePO4 Battery Items specifications

Model	Voltage (V)	Capacity (Ah)	Dimension (mm)			Weight kgs	Connect	Cell Cycle
			L	W	H			
LFP12V7.0	12.8V	7Ah	151	65	94	0.71kgs	4S1P C	≥6000 50%DoD
LFP12V12	12.8V	12Ah	151	99	99	1.50kgs	4S2P C	≥6000 50%DoD
LFP12V20	12.8V	20Ah	181	77	170	3.50kgs	4S3P C	≥6000 50%DoD
LFP12V40	12.8V	40Ah	267	77	172	5.40kgs	4S6P C	≥6000 50%DoD
LFP12V50	12.8V	50Ah	223	150	177	6.50kgs	4S1P S	≥6000 80%DoD
LFP12V60	12.8V	60Ah	223	150	177	7.20kgs	4S10P C	≥6000 50%DoD
LFP12V75	12.8V	75Ah	256	165	210	9.40kgs	4S13P C	≥6000 50%DoD
LFP12V100	12.8V	100Ah	330	173	216	11.5kgs	4S1P S	≥6000 80%DoD
LFP12V120	12.8V	120Ah	406	173	236	16.0kgs	4S1P S	≥6000 80%DoD
LFP12V150	12.8V	150Ah	490	171	240	20.0kgs	4S1P S	≥6000 80%DoD
LFP12V200	12.8V	200Ah	520	238	218	21.5kgs	4S2P S	≥6000 80%DoD
LFP12V300	12.8V	300Ah	520	238	218	32.0kgs	4S4P S	≥6000 80%DoD
LFP12V400	12.8V	400Ah	520	266	220	42.0kgs	4S4P S	≥6000 80%DoD
LFP24V10	25.6V	10Ah	181	77	170	3.5kgs	8S2P C	≥6000 50%DoD
LFP24V20	25.6V	20Ah	223	120	175	6.0kgs	8S3P C	≥6000 50%DoD
LFP24V50	25.6V	50Ah	330	173	216	11.5kgs	8S1P S	≥6000 80%DoD
LFP24V100	25.6V	100Ah	520	238	218	21.5kgs	8S1P S	≥6000 80%DoD
LFP24V150	25.6V	150Ah	520	266	220	32.0kgs	8S1P S	≥6000 80%DoD
LFP24V200	25.6V	200Ah	520	266	220	42.0kgs	8S1P S	≥6000 80%DoD



Performance Characteristics



Notice: Voltage Based on 4S 3.2 Cell 12.8V

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