

LFP Series LiFePO4 Battery

Lithium Iron phosphate Battery with VRLA Shell

Brief Introduction

CSBattery 12V/24V LFP series battery, available in a variety of capacities, to be used as the building block of a larger energy storage system by assembling in series or parallel. The modular approach allows for flexible configurations to match almost any voltage and capacity requirements. Prototype system can be assembled faster than any time previously, therefore reducing project development time and decreasing non-recurring engineering expense. It has been successfully used in energy storage systems, AGV, forklifts etc. Excellent cycle life and maintenance free design offers end-users complete peace of mind



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

DOD 100% >2000 times Cycles

Robust Casing with Flame-retarded plastic UL94-V0, IP56

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

Build in BMS

Complied Standards

IEC60896-21/22	RoHS/Reach
PSE/UL	GB/T19638
IEC61427	CE/ISO



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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LFP Series LifePO4 Battery Items specifications

Model	Voltage (V)	Capacity (Ah)	Dimension (mm)			Weight (kgs)	Cell	
			L	W	H		connect	shape
LFP12V7.0	12	7	151	65	94	0.71	4S1P	32650
LFP12V12	12	12	151	99	99	1.5	4S2P	32650
LFP12V20	12	20	181	77	170	3.5	4S3P	32650
LFP12V40	12	40	267	77	172	5.4	4S6P	32650
LFP12V50	12	50	223	150	177	6.5	4S8P	32650
LFP12V60	12	60	223	150	177	7.2	4S10P	32650
LFP12V75	12	75	256	165	210	9.4	4S13P	32650
LFP12V100	12	100	330	173	216	14	4S16P	32650
LFP12V120	12	120	406	173	236	16	4S20P	32650
LFP12V150	12	150	490	171	240	20	4S25P	32650
LFP12V200	12	200	520	238	218	25	4S33P	32650
LFP24V10	24	10	181	77	170	3.5	8S2P	32650
LFP24V20	24	20	223	120	175	6	8S3P	32650
LFP24V50	24	50	330	173	216	13	8S8P	32650
LFP24V100	24	100	520	238	218	25	8S16P	32650
LFP24V150	24	150	520	266	220	39	8S32P	32650



Performance Characteristics

