

ENDLESS APPLICATION POSSIBILITIES

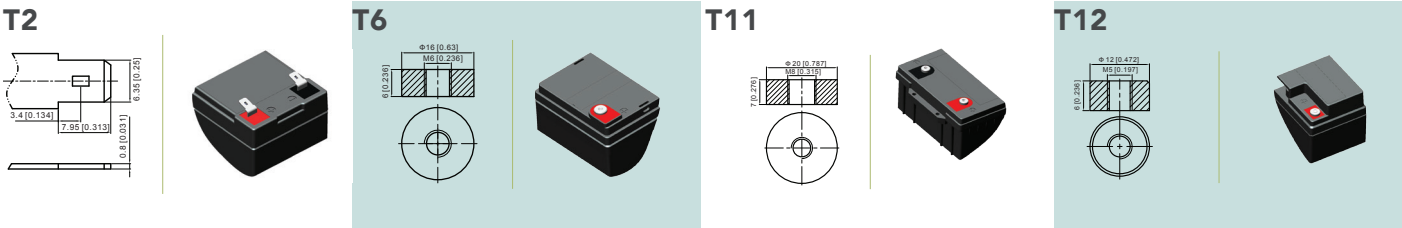
LP Batteries LiFePO4 lithium batteries provide a reliable and efficient power solution for a broad range of cyclic applications. Commonly used in marine and recreational environments such as boats, electric whisper boats, motorhomes, and caravans, these batteries also deliver excellent performance in security systems, emergency lighting, healthcare equipment, industrial cleaning machines, and measuring devices.

Available in 12.8V models ranging from 7.5Ah to 100Ah, the series combines long cycle life, low weight, and consistent power delivery for demanding professional and leisure applications.



MODELS AND SPECIFICATIONS

Article number	Voltage (V)	Capacity (Ah)	Energy (Wh)	Length (mm)	Width (mm)	Height (mm)	Total height (mm)	Layout	Terminal
LFP POW12016	12.8	16	204.8	168	128	97	97		TBAR
LFP POW12022	12.8	22	281.6	168	128	123	123		TBAR
LFP V12007,5 T2	12.8	7.5	96	151	65	94	94		T2
LFP V12012 T2	12.8	12	153.6	151	98	93	93		T2
LFP V12020 T12	12.8	20	256	181	77	167	167		T12
LFP V12040 T6	12.8	40	512	197	166	170	170		T6
LFP V12100BT2 T11	12.8	100	1280	330	173	212	212		T11



CARE & MAINTENANCE

To ensure optimal performance and service life, the LP Batteries LiFePO4 series should be charged using a charger specifically designed for lithium batteries. Due to the different charging characteristics of LiFePO4 and lead-acid technologies, the use of a conventional lead-acid battery charger is not recommended.

LP Batteries offers a range of reliable lithium chargers matched to the requirements of the LFP series, available in three models.

Model	Specs	Description	Battery range (Ah)
PC12-03	14.6V 3A	lithium battery charger	6-20
PC12-10	14.6V 10A	lithium battery charger	20-40
PC12-20	14.6V 20A	lithium battery charger	40-100



LFP SERIES

LITHIUM LiFePO4 BATTERIES

LEAD ACID BATTERY REPLACEMENT

MAXIMUM CYCLE LIFE. SAFE LiFePO4 TECHNOLOGY. SMART BMS.

The LFP series is a direct replacement for lead-acid batteries, offering all the benefits of advanced LiFePO4 technology. Equipped with an integrated Smart BMS, these batteries provide safe, reliable operation and protection against overcharging, over-discharging, short circuits, and extreme temperatures.

With an exceptionally long cycle life, high usable capacity, stable voltage output, and significant weight reduction compared to lead-acid batteries, the LFP series is the ideal choice for demanding cyclic applications.



FEATURES

- EXCELLENT CYCLIC PERFORMANCE
- EXCEPTIONAL CYCLE LIFE
- SAFE LIFEPO4 TECHNOLOGY
- INTEGRATED SMART BMS
- INTEGRATED BLUETOOTH MONITORING*
- ULTRA-LIGHTWEIGHT DESIGN
- VERY LOW SELF-DISCHARGE

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BATTERIES

LFP SERIES LITHIUM LiFePO4 BATTERIES

A FULLY-FLEDGED LEAD ACID BATTERY REPLACEMENT

The LFP Series is a direct replacement for cyclic AGM and GEL batteries, offering all the advantages of advanced LiFePO4 technology. It provides maximum safety, long service life, and excellent deep-cycle performance, making it ideal for traction and other cyclic applications.

Designed for 12V installations, the battery can be connected in parallel or series under specific conditions. Please consult our experts before installation.



THE SAFEST LITHIUM TECHNOLOGY

The series is based on Lithium Iron Phosphate (LiFePO4), one of the safest and most reliable lithium technologies available. It offers an exceptionally long cycle life, high usable energy, significant weight savings, and stable voltage performance, even under heavy loads.

An integrated Battery Management System (BMS) continuously monitors and protects the battery against overcharging, overvoltage, deep discharge, and overheating, helping to maximize both safety and service life.

UNIQUE FEATURES

- **EXCELLENT PERFORMANCE**
Extreme deep-cycle performance, ideal for traction and other cyclic applications.
- **LONG CYCLE LIFE**
Maximum cycle life with over 2,000 cycles, even under regular deep-discharge conditions.
- **SAFEST LITHIUM TECHNOLOGY**
No gases, no risk of explosion or fire. 100% maintenance free.
- **INTEGRATED BMS**
Protection against short circuits, overcharging, and deep discharge.
- **BLUETOOTH MONITORING***
Monitor battery status in real time via your smartphone.
- **ULTRA-LIGHTWEIGHT**
Up to 53% lighter than comparable lead-acid battery.
- **VERY LOW SELF-DISCHARGE RATE**
Only approximately 2% per month during storage.

	Lithium LiFePO4 battery	Lead-acid battery
1.6 x Usable capacity	80%	50%
8 x Cycle life at 80% depth of discharge (DoD)	≥2000	250
10 x Cycle life at 50% depth of discharge (DoD)	≥5000	500
-15 kg Weight (reference model 100Ah)	13.5	28.5

FOLLOW YOUR BATTERY STATUS*

With integrated Bluetooth monitoring, you always have direct insight into your battery's status. Simply download the Bluetooth Li app on your smartphone or tablet and connect to the battery via Bluetooth to access real-time information, including:

- **STATE OF CHARGE (SOC) (%)**
- **BATTERY VOLTAGE**
- **CHARGE / DISCHARGE CURRENT**
- **BATTERY TEMPERATURE**
- **NUMBER OF CHARGE / DISCHARGE CYCLES**

*Available on LFP12-100BT (100Ah) only

