



NEW

Lithium Iron Phosphate Battery (LiFePO₄)



ADVANTAGES

- » Contains no lead, cadmium, or mercury, unlike conventional lead-acid batteries.
- » LiFePO₄ chemistry contains fewer hazardous substances than lead-acid batteries.



PERFORMANCE

- » Delivers stable power even at low charge levels.
- » Operates reliably in both hot and cold conditions.



COST-EFFECTIVE

- » Lightweight and completely maintenance-free.
- » Charges faster and lasts significantly longer than lead-acid batteries.

Jauch Quartz GmbH offers a wide range of 12V lithium battery packs to meet most of our customer needs. Suitable replacement for many lead-acid battery applications.



NEW: Lithium Iron Phosphate Battery (LiFePO₄)

JAUCH LiFePO₄

10 years
More than 2000 times
Up to 30% lighter
60% faster charge

VS

Life time
Cycles
Weight
Charging

Lead Acid Battery

3 years
200 - 550 times
Heavy and difficult to handle
Long charging times

* Values depend on application, operating conditions and battery model. Typical comparison against conventional sealed lead-acid batteries.

ADVANTAGES

Lithium Iron Phosphate batteries offer an alternative to conventional lead-acid batteries. They contain no lead, cadmium or mercury and have a lower hazardous substance content. The higher charge/discharge efficiency compared with lead-acid batteries can reduce energy losses during operation

PERFORMANCE

Thanks to their high energy density and long cycle life, LiFePO₄ batteries deliver reliable power for years. They maintain stable performance even at low charge levels and operate efficiently across a wide range of temperatures — making them ideal for demanding environments.

COST-EFFECTIVE

Compared to bulky lead-acid batteries, LiFePO₄ units are much lighter and easier to handle. They require no maintenance, charge faster, and last significantly longer — resulting in lower replacement costs and better value over time.



» Ready to upgrade? Get more information [here](#).

LITHIUM IRON PHOSPHATE BATTERIES

MODEL	VOLTAGE (V)	CAPACITY (mAh)	ENERGY (Wh)	HEIGHT (mm)	WIDTH (mm)	LENGTH (mm)
LFP1207	12.80	7	90	95.0	65.0	151.0
LFP1210	12.80	10	128	95.0	65.0	151.0
LFP1212	12.80	12	154	95.0	98.0	151.0
LFP1216	12.80	16	205	95.0	98.0	151.0
LFP1220	12.80	20	256	167.0	75.5	181.0
LFP1230	12.80	30	384	157.0	130.0	195.0
LFP1250	12.80	50	640	208.0	144.0	229.0
LFP12100	12.80	100	1280	218.0	172.0	330.0
LFP12200	12.80	200	2560	218.0	240.0	522.0

07/2026