



LiFePO4





The lithium iron phosphate (LiFePO4) battery, also called LFP battery, is a type of rechargeable battery, specifically a lithium ion battery, which uses LiFePO4 as a cathode material.

SAFETY

- Steel cell case
- Steel battery case
- Typical failure mode (internal short) does not develop violent energy release
- BMS diagnostics alerts on anomalies and disconnects the battery in case of serious failure
- Supplementary protection with an independent logic circuit in the event of BMS failure

ENVIRONMENTAL ASPECTS

- Lead and cadmium free
- Zero ambient emissions
- Fully recyclable materials
- Efficient material usage

ADVANTAGES (PREMIUM FEATURES)

- Intensitivity to the operational and the environmental conditions, i.e. constant performances and lifetime over a wide temperature range -20°C +60°C, as well as with heavy cycling (>1000 cycles)
- Maintenance free
- Fully sealed, zero emissions
- Three times lighter than conventional batteries
- On board control, monitoring, diagnostics, logging (Battery Management System, BMS)
- Can be used with any DC power supply without any adjustment
- Integrated Low Voltage Disconnect (LVD)

COMMUNICATION & INTERFACE

- Communication Port Rs232/Rs485

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Model	Capacity Ah.	Voltage V	Dimensions	Weight kg
LiFe 5-12	5	12	139x124x32	1,1
LiFe 5-48	5	48	442x44x240	4,5
LiFe 10-48	10	48	442x44x240	7,8
LiFe 20-48	20	48	442x177x250	17,5
LiFe 40-48	40	48	442x177x250	28,0
LiFe 50-48	50	48	442x177x250	33,1

- LiFePO4 (lithium iron phosphate)
- Installation 19" inch module
- Monitoring system
- Range 5 -50Ah. 48 Volt
- Temperature range -25°C to +65°C
- Design life 15 years