

Lithium Iron Phosphate Battery 12.8V 55Ah

This lithium iron phosphate (LiFePO₄) battery features a nominal voltage of 12.8V and a capacity of 55Ah, providing 704Wh of energy. It offers a long cycle life and excellent safety features.



ADDITIONAL IMAGES



Overview

High-Performance Lithium Iron Phosphate Battery

This 12.8V 55Ah Lithium Iron Phosphate (LiFePO₄) battery is designed as a high-efficiency, drop-in replacement for traditional lead-acid batteries. Engineered for superior safety and longevity, it offers up to 20 times the cycle life of lead-acid alternatives while being 40% lighter. With excellent thermal stability and fast-charging capabilities, it is an ideal power solution for demanding applications ranging from electric mobility to renewable energy storage systems.

Technical Specifications

Nominal Voltage	12.8 V
Rated Capacity	55 Ah
Total Energy	704 Wh
Dimensions (L x W x H)	229 x 138 x 205 mm

Performance Metrics

Performance Highlights

2000 Cycles @ 80% DOD
Cycle Life

95 % in 1hr
Fast Charge Capability

2 %/month
Self-Discharge Rate

Operating Temperature

-20°C to +60°C

Features

Key Advantages

- Environment-friendly (no heavy metals)
- Drop-in replacement for lead-acid batteries
- 40% lighter weight than comparable lead-acid units
- Superior safety chemistry prevents combustion/explosion
- No memory effect

Applications

Suitable Applications

Electric Vehicles, Telecommunication, Lighting, Solar/Wind Energy Storage, Medical Equipment