

12.8V LiFePO4 Battery (50-300Ah)

This LiFePO4 battery provides a stable 12.8V output and is available in multiple capacities ranging from 50Ah to 300Ah. It is designed for efficient energy storage and reliable performance, offering a longer lifespan and better safety compared to lead-acid batteries.



ADDITIONAL IMAGES



Product Overview

Advanced LiFePO4 Energy Storage

These LiFePO4 (Lithium Iron Phosphate) deep cycle batteries offer a superior alternative to traditional lead-acid (VRLA) batteries, providing significant weight savings and an extended cycle life. Equipped with an advanced integrated battery management system, they ensure optimal safety through cell balancing and protection against over-charge, over-discharge, and temperature extremes. Designed for reliability and maintenance-free operation, these batteries are ideal for demanding applications ranging from renewable energy systems to portable power solutions.

Key Performance Metrics

Nominal Voltage	12.8 V
Capacity Range	50 - 300Ah
Expected Cycle Life	3000
Self-Discharge Rate	2% per month

Safety & Protection

Certifications

UL Certified

Integrated Protection Features

Over charge protection, Over discharge protection, Over current protection, Temperature protection, Cell balancing

Applications & Usage

Recommended Applications

- Portable Power
- Auxiliary Vehicle Power
- Marine Systems
- Solar & Renewable Power
- Defence
- Medical Carts
- Environmental Control Back-up

Design & Construction

Design Advantages

- Lightweight (1/2 to 1/3 of VRLA)
- Industry standard footprint
- Sealed construction
- Maintenance-free