

6000+ Deep Cycle Lead-Acid Replacement LiFePO4 Battery

Model: LU-LAR6K

Overview

Ultra-long-life LiFePO4 lead-acid replacement battery: 12.8V, 6000+ deep cycles, built-in BMS. Direct drop-in for 12V lead-acid systems. Perfect for solar, UPS, and deep cycle applications. CE, UN38.3 certified.

Technical Specifications

Parameter	Value
Nominal Voltage	12.8V
Deep Cycle Life	6000+ cycles
Chemistry	LiFePO4
BMS	Built-in, multi-protection
Terminal	Standard bolt terminal
Weight	~50% lighter than lead-acid

Key Features

- Direct drop-in replacement for 12V lead-acid
- 6000+ deep cycles — 10x lead-acid lifespan
- 12.8V nominal, fully compatible with 12V systems
- Built-in smart BMS with multi-layer protection
- Lightweight construction
- Zero maintenance, fully sealed
- Standard terminal connections
- Wide temperature operating range

Applications

Solar energy storage systems • Deep cycle backup power • UPS and emergency systems • Telecom and security backup • Marine and RV applications

Certifications

CE Certified, UN38.3 Certified, RoHS Certified