

50Ah / 100Ah Lead-Acid Replacement LiFePO4 Battery

Model: LU-LAR50100

Overview

Drop-in LiFePO4 replacement for small lead-acid batteries. 50Ah/100Ah, 12.8V, built-in BMS, 6000+ cycles. Perfect for solar lantern, UPS, small EV. CE, UN38.3 certified.

Technical Specifications

Parameter	Value
Nominal Voltage	12.8V
Capacity Options	50Ah / 100Ah
Energy	640Wh / 1280Wh
Chemistry	LiFePO4
Cycle Life	≥6000 cycles
BMS	Built-in, multi-protection
Terminal	M8 bolt
Weight	~60% lighter than lead-acid

Key Features

- Direct drop-in for 12V lead-acid
- Available in 50Ah and 100Ah capacities
- 12.8V nominal voltage
- Built-in smart BMS protection
- 6000+ deep cycles
- 60% lighter than lead-acid
- Zero maintenance, fully sealed
- M8 terminal connections

Applications

Solar small-scale systems • UPS and emergency lighting • Small electric vehicles • Security and telecom backup

Certifications

CE Certified, UN38.3 Certified, RoHS Certified