



12V 50ah 100ah 200ah Smart BMS Lithium Lifepo4 Battery Lead-Acid Replacement For Small UPS System

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: XWELL
- Certification: UN38.3, MSDS, UL, CB, BIS, PSE, GB4943.1 safety standard, CE, FCC, ROHS, battery UN38.3, MSDS, UL, CB, BIS, PSE
- Model Number: XW-LAR128100
- Minimum Order Quantity: 1 pcs
- Price: negotiable
- Packaging Details: Carton
- Delivery Time: 7-10 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 pcs per month



Product Specification

- Nominal Capacity: 7 - 200AH
- Nominal Energy: 89.6 - 2560WH
- Max Charge Current: 7 - 100A
- Battery Cell: Cylindrical And Prismatic Type
- Configuration: 4S1P
- Nominal Voltage: 12.8V
- DC Resistance: $\leq 10\text{m}\Omega$
- Cover Sealing Type: Screw / Gel Sealing Optional
- Waterproof: IP65
- Materials: A-grade Lithium Iron
- Highlight: **200ah Lithium Lifepo4 Battery, Small UPS System Lithium Lifepo4 Battery**

Product Description

Manufacturer Supply Lithium LiFePO4 Battery 12V 7Ah 12ah 50ah 100ah 200ah For Small UPS System Ess With Smart BMS

Overview

These are 12V lithium iron phosphate (LiFePO4) battery packs designed for a variety of off-grid and backup power applications. They feature capacities ranging from 50Ah to 200Ah and incorporate an advanced battery management system (BMS) for enhanced safety and performance.

Key Features

12V nominal voltage with LiFePO4 cell chemistry
Available in 50Ah, 100Ah, and 200Ah capacity options
Integrated smart battery management system (BMS)
Cell balancing, overcharge/discharge protection, temperature monitoring
High cycle life (2,000-5,000 cycles) and long calendar life
Compact, lightweight design compared to lead-acid batteries
Ability to be connected in parallel for larger systems

Lithium Battery Replacement Lead-Acid Specification

Model	12.8V7Ah	12.8V12Ah	12.8V50Ah	12.8V100Ah	12.8V200Ah
Nominal Voltage	12.8V				
Nominal Capacity @25C	7AH	12AH	50AH	100AH	200AH
Nominal Energy @25°C	89.6WH	153.6WH	640WH	1280WH	2560WH
Battery Cell Type	Cylinder		Prismatic 50Ah	Prismatic 100Ah	Prismatic 100Ah
Configuration (xSxP)	4S1P	4S2P	4S1P	4S1P	4S2P
Max. Continuous Charge Current @25°C	7A	12A	50A	100A	100A
Max. Continuous Discharge Current @25°C	7A	12A	50A	100A	100A
DC Resistance	≤10mΩ				
Full Charged Voltage	14.6V				
Discharge Cut-off Voltage	10V				
Operate Temperature Range	Charge: 0°C~55°C; Discharge: -20°C~60°C; Storage: -20°C~45°C				
Dimension (mm)	152x65x94mm	152x99.5x100mm	229x138x208mm	326x171x215mm	522x240x218mm
Weight (KG)	1.1KG	1.7KG	7KG	12.5KG	25KG
Terminal Type	F1 terminal		Screw terminal		
Cover Sealing type	Screw / gel sealing optional				
Waterproof	IP65				
Cycle life	100% DOD Cycles @ 25xC 1C/1C: >2000 times80% DOD Cycles @ 25C 1C/1C: >6000 times50% DoD Cycles @ 25C, 1C/1C: >5000 times				
LCD Screen Display	Optional (Show voltage V, Power %)				
Bluetooth	Optional (Bluetooth with mobile APP)				
Series and Parallels Function	Available to make in series and parallels to get 24V, 36V, 48V				
Heating Function	Optional, Suitable for cold area application				

Our Advantages

Professional Technical Team, Xwell's R&D technical team has received more than 20 invention and application patents.
Professional Sales Team, xwell possesses well-trained sales team which helps customers addressing difficulty meeting in battery or battery solution selecting.
Unique Pack Technique, xwell possesses special pack technique to better protect the battery and increase the life span of the battery pack.
Punctual Delivery, xwell has strict production plan to promise on time delivery.
Safety Certification Guarantee, Most products have been certified according to international standard including CE, MSDS, UN38.3, etc.
Perfect after Sales-service, xwell has a professional QC team which applies strict quality control on production and provide perfect after-sale service to customers



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