



## OEM LED Light Lithium Lead Acid Replacement Lithium With Self Developed BMS

### 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-LAR128200
- 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: 200AH
- Nominal Energy: 2560WH
- Configuration: 4S2P
- Max Charge Current: 100A
- Battery Cell: Prismatic Type
- Nominal Voltage: 12.8V
- DC Resistance:  $\leq 10\text{m}\Omega$
- Terminal Type: F1 Connector
- Cover Sealing Type: Screw / Gel Sealing Optional
- Waterproof: IP65
- Highlight: OEM lead acid replacement lithium, LED Light lead acid replacement lithium, BMS lithium lead acid replacement

## Product Description

### Solar Battery OEM LiFePO4 Lithium Batteries Rechargeable To Replace Lead Acid For LED Light With Self-Developed BMS

#### Lithium Battery Replacement Lead-Acid Features

1. 12V,24V,48V LiFePO4 pack,safe and reliable
2. 3 years warranty,5 years life design, stable quality, and excellent performance.
3. Build a smart BMS system to optimize the performance.
4. With a 1.2A cell equalizer, can balance all cells in a short time.
5. Max discharge current up to 150A, compatible with solar system.
6. Excellent standing self-consumption is as low as 4mA.
7. All-around protection and unattended operation.
8. Optional for LCD display or communication(CAN/RS485/RS232).

#### 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 recieved more than 20 invention and application patents.

Professional Sales Team, xwell poccesses 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.

Puntual Delivery, xwell has strict production plan to promise on time delivery.

Safety Certification Gurantee, 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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