

## 2V 500Ah Lead-Acid Battery for Solar/UPS/Telecom

This 2V 500Ah lead-acid battery is designed for long cycle life and maintenance-free operation. It is suitable for use in solar power systems, UPS power supplies, and telecom power systems.



### ADDITIONAL IMAGES



### Product Overview



Optimized for solar energy storage and telecommunications infrastructure, providing reliable power delivery.

### High-Capacity 2V 500Ah Energy Storage

This maintenance-free lead-acid battery is engineered for high-demand applications including solar energy storage, UPS backup, and telecommunications systems. Utilizing advanced Absorbent Glass Mat (AGM) technology, it achieves 99% gas recombination efficiency, eliminating the need for electrolyte checks or water addition. Designed for a long cycle life, it features a corrosion-resistant Pb-Ca multi-alloy grid and high-purity raw materials to ensure low self-discharge and reliable performance in diverse environments.

## Technical Specifications

### Core Performance Metrics

**2 V**

Nominal Voltage

**500 Ah**

Nominal Capacity

**100 A**

Max Initial Current

### Charging Parameters (at 25°C)

Usage Type	Voltage Range	Recommended
Standby Use	2.23V - 2.27V	2.25V
Cycle Use	2.40V - 2.50V	2.40V

## Key Features



A durable, long cycle life solution for demanding backup power applications.

### Main Characteristics

- Maintenance-free operation with AGM technology
- High gas recombination efficiency (up to 99%)
- Long service and cycle life via Pb-Ca multi-alloy grid
- Low self-discharge using high-purity materials
- Strong high and low temperature performance
- Non-polluting and environmental design

## Applications

### Industry Applications

Solar Energy, Wind Power Storage, UPS/EPS Systems, Telecommunications, Auto Control Systems, General Purpose Backup

## Safety & Compliance

### Safety Precautions

- Do not charge in a sealed container
- Do not short-circuit battery terminals
- Do not incinerate
- Keep out of reach of children
- Flush with water immediately if electrolyte contacts skin

### Certifications

CE