

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