

# U.S. Lead Acid Battery Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

<https://marketpublishers.com/r/U9159EC10F1AEN.html>

Date: November 2024

Pages: 80

Price: US\$ 4,850.00 (Single User License)

ID: U9159EC10F1AEN

## Abstracts

U.S. Lead Acid Battery Market reached USD 11.7 billion in 2024 and is estimated to depict a CAGR of 2.6% from 2025 to 2034. This growth is driven by increasing applications across the automotive, telecommunications, and power sectors. These batteries are recognized for their cost-efficiency, reliability, high energy capacity, and safety, making them a preferred choice across various industries.

A lead-acid battery comprises two electrodes submerged in a sulfuric acid electrolyte. The negative electrode is connected to a metallic lead grid while the positive electrode comprises lead oxide grains. The demand for lead-acid batteries continues to rise due to their versatility in powering off-grid systems and vehicles. Their affordability and the growing consumer demand for accessible energy storage solutions further bolster their market position.

The stationary lead-acid battery segment is expected to surpass USD 4 billion by 2034. These rechargeable batteries, known for using lead plates and sulfuric acid electrolytes, have become essential in applications requiring reliable backup power. Industries like utilities, security systems, and renewable energy installations rely on these batteries for uninterrupted power supply, driven by the increasing reliance on electronic devices and the need for consistent power quality.

Meanwhile, the flooded lead-acid battery market is anticipated to grow at a steady pace of 2% annually from 2025 to 2034. These batteries require regular maintenance to replace electrolytes lost through vents, which limits their use to high-power applications that can support the necessary upkeep. Despite their durability, their complex installation and maintenance needs make them suitable primarily for industries that can

accommodate such requirements.

Technological advancements and the electrification of conventional vehicles are shaping the future of the U.S. lead-acid battery industry. Automotive manufacturers are increasingly incorporating start-stop technology to meet fuel efficiency regulations, driving the demand for lead-acid batteries known for their maintenance-free designs and enhanced safety features.

The growing preference for automobiles, especially two-wheelers, is expected to further stimulate market growth. Additionally, ongoing research aimed at reducing production costs and minimizing environmental impact will support broader adoption. Lead-acid batteries offer several advantages, such as reduced electrolyte evaporation, lower risk of spillage, and improved temperature resistance, positioning them as a sustainable and efficient energy storage solution for the future.

## Contents

Report Content

### **CHAPTER 1 METHODOLOGY & SCOPE**

- 1.1 Market scope & definitions
- 1.2 Market estimates & forecast parameters
- 1.3 Forecast calculation
- 1.4 Data sources
  - 1.4.1 Primary
  - 1.4.2 Secondary
    - 1.4.2.1 Paid
    - 1.4.2.2 Public

### **CHAPTER 2 INDUSTRY INSIGHTS**

- 2.1 Industry ecosystem analysis
- 2.2 Regulatory landscape
- 2.3 Industry impact forces
  - 2.3.1 Growth drivers
  - 2.3.2 Industry pitfalls & challenges
- 2.4 Growth potential analysis
- 2.5 Porter's Analysis
  - 2.5.1 Bargaining power of suppliers
  - 2.5.2 Bargaining power of buyers
  - 2.5.3 Threat of new entrants
  - 2.5.4 Threat of substitutes
- 2.6 PESTEL Analysis

### **CHAPTER 3 COMPETITIVE LANDSCAPE, 2024**

- 3.1 Introduction
- 3.2 Strategic outlook
- 3.3 Innovation & sustainability landscape

### **CHAPTER 4 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 (MILLION UNITS & USD MILLION)**

- 4.1 Key trends
- 4.2 Stationary
  - 4.2.1 Telecommunications
  - 4.2.2 UPS
  - 4.2.3 Control & switchgear
  - 4.2.4 Others
- 4.3 Motive
- 4.4 SLI
  - 4.4.1 Automobiles
  - 4.4.2 Motorcycles

## **CHAPTER 5 MARKET SIZE AND FORECAST, BY CONSTRUCTION, 2021 – 2034 (MILLION UNITS & USD MILLION)**

- 5.1 Key trends
- 5.2 Flooded
- 5.3 VRLA
  - 5.3.1 AGM
  - 5.3.2 GEL

## **CHAPTER 6 MARKET SIZE AND FORECAST, BY SALES CHANNEL, 2021 – 2034 (MILLION UNITS & USD MILLION)**

- 6.1 Key trends
- 6.2 OEM
- 6.3 Aftermarket

## **CHAPTER 7 COMPANY PROFILES**

- 7.1 Clarios
- 7.2 Crown Battery
- 7.3 C&D Technologies
- 7.4 East Penn Manufacturing
- 7.5 EnerSys
- 7.6 Exide Industries
- 7.7 Fullriver Battery
- 7.8 MK Battery
- 7.9 Power Sonic Corporation
- 7.10 Schumacher Electric Corporation

7.11 Universal Power Group

7.12 U.S. Battery Manufacturing

## I would like to order

Product name: U.S. Lead Acid Battery Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

Product link: <https://marketpublishers.com/r/U9159EC10F1AEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/U9159EC10F1AEN.html>