

# Lead Acid Battery Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

The global lead acid battery market size reached US\$ 33.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 41.5 Billion by 2028, exhibiting a growth rate (CAGR) of 4% during 2023-2028.

A lead acid battery refers to a cost-effective rechargeable energy storage device, which includes an anode as the positive and a cathode as the negative terminal. They are further connected by the electrolyte to produce electricity through electrochemical reactions. The battery contains toxic lead metal, which can be recycled and prepared for reuse in other products. Apart from this, it involves oxide and grid production, pasting, curing, assembling, formation, filling, charge-discharge proceedings, inspection, and product dispatching as standard processes. The lead acid battery is tolerant to overcharging and relatively affordable and offers a larger current capacity and better performance in low or high temperatures. As a result, it is extensively used in grid storage and other commercial applications. Currently, the lead acid battery is commercially available in varying sizes and types, including flooded and sealed.

### Lead Acid Battery Market Trends:

The considerable expansion in the automotive industry and the increasing need for fuel-efficient, electrically chargeable vehicles are primarily driving the market growth. Additionally, the rising environmental concerns and the implementation of green initiatives by governments to promote the uptake of eco-friendly components, such as lead acid batteries, to reduce carbon emissions are acting as another growth-inducing factor. As compared to lithium-ion and nickel-based battery systems, lead acid battery is more economical, recyclable, and reliable. Moreover, the widespread adoption of uninterruptible power supply (UPS) devices across various industrial verticals have

further supplemented the demand for lead acid batteries as they have relatively lower-tech battery management requirements. In line with this, the extensive employment of innovative battery manufacturing machines to optimize production processes at minimal costs is further contributing to the market growth. Besides this, strategic collaborations amongst key players to engineer multiple product variants with enhanced efficacy are positively stimulating the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global lead acid battery market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, construction method, sales channel and application.

#### Breakup by Product:

- SLI
- Stationary
- Motive

#### Breakup by Construction Method:

- Flooded
- Valve Regulated Sealed Lead-acid Battery (VRLA)

#### Breakup by Sales Channel:

- OEM
- Aftermarket

#### Breakup by Application:

- Automotive
- UPS
- Telecom
- Others

#### Breakup by Region:

- North America

United States  
Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being C&D Technologies Inc., Clarios International Inc., East Penn Manufacturing Co., EnerSys, Exide Industries Limited, GS Yuasa Corporation, HBL Power Systems Limited, HOPPECKE Batterien GmbH & Co. KG, Leoch International Technology Limited, Panasonic Holdings Corporation and Teledyne Technologies Incorporated.

#### Key Questions Answered in This Report

1. What was the size of the global lead acid battery market in 2022?
2. What is the expected growth rate of the global lead acid battery market during 2023-2028?
3. What has been the impact of COVID-19 on the global lead acid battery market?
4. What are the key factors driving the global lead acid battery market?

5. What is the breakup of the global lead acid battery market based on the product?
6. What is the breakup of the global lead acid battery market based on the construction method?
7. What is the breakup of the global lead acid battery market based on the application?
8. What are the key regions in the global lead acid battery market?
9. Who are the key players/companies in the global lead acid battery market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL LEAD ACID BATTERY MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY PRODUCT**

- 6.1 SLI
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Stationary
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Motive

- 6.3.1 Market Trends
- 6.3.2 Market Forecast

## **7 MARKET BREAKUP BY CONSTRUCTION METHOD**

- 7.1 Flooded
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Valve Regulated Sealed Lead–acid Battery (VRLA)
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast

## **8 MARKET BREAKUP BY SALES CHANNEL**

- 8.1 OEM
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Aftermarket
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast

## **9 MARKET BREAKUP BY APPLICATION**

- 9.1 Automotive
  - 9.1.1 Market Trends
  - 9.1.2 Market Forecast
- 9.2 UPS
  - 9.2.1 Market Trends
  - 9.2.2 Market Forecast
- 9.3 Telecom
  - 9.3.1 Market Trends
  - 9.3.2 Market Forecast
- 9.4 Others
  - 9.4.1 Market Trends
  - 9.4.2 Market Forecast

## **10 MARKET BREAKUP BY REGION**

- 10.1 North America

- 10.1.1 United States
  - 10.1.1.1 Market Trends
  - 10.1.1.2 Market Forecast
- 10.1.2 Canada
  - 10.1.2.1 Market Trends
  - 10.1.2.2 Market Forecast
- 10.2 Asia-Pacific
  - 10.2.1 China
    - 10.2.1.1 Market Trends
    - 10.2.1.2 Market Forecast
  - 10.2.2 Japan
    - 10.2.2.1 Market Trends
    - 10.2.2.2 Market Forecast
  - 10.2.3 India
    - 10.2.3.1 Market Trends
    - 10.2.3.2 Market Forecast
  - 10.2.4 South Korea
    - 10.2.4.1 Market Trends
    - 10.2.4.2 Market Forecast
  - 10.2.5 Australia
    - 10.2.5.1 Market Trends
    - 10.2.5.2 Market Forecast
  - 10.2.6 Indonesia
    - 10.2.6.1 Market Trends
    - 10.2.6.2 Market Forecast
  - 10.2.7 Others
    - 10.2.7.1 Market Trends
    - 10.2.7.2 Market Forecast
- 10.3 Europe
  - 10.3.1 Germany
    - 10.3.1.1 Market Trends
    - 10.3.1.2 Market Forecast
  - 10.3.2 France
    - 10.3.2.1 Market Trends
    - 10.3.2.2 Market Forecast
  - 10.3.3 United Kingdom
    - 10.3.3.1 Market Trends
    - 10.3.3.2 Market Forecast
  - 10.3.4 Italy

- 10.3.4.1 Market Trends
- 10.3.4.2 Market Forecast
- 10.3.5 Spain
  - 10.3.5.1 Market Trends
  - 10.3.5.2 Market Forecast
- 10.3.6 Russia
  - 10.3.6.1 Market Trends
  - 10.3.6.2 Market Forecast
- 10.3.7 Others
  - 10.3.7.1 Market Trends
  - 10.3.7.2 Market Forecast
- 10.4 Latin America
  - 10.4.1 Brazil
    - 10.4.1.1 Market Trends
    - 10.4.1.2 Market Forecast
  - 10.4.2 Mexico
    - 10.4.2.1 Market Trends
    - 10.4.2.2 Market Forecast
  - 10.4.3 Others
    - 10.4.3.1 Market Trends
    - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
  - 10.5.1 Market Trends
  - 10.5.2 Market Breakup by Country
  - 10.5.3 Market Forecast

## **11 SWOT ANALYSIS**

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

## **12 VALUE CHAIN ANALYSIS**

## **13 PORTERS FIVE FORCES ANALYSIS**

- 13.1 Overview



- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

## **14 PRICE ANALYSIS**

## **15 COMPETITIVE LANDSCAPE**

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
  - 15.3.1 C&D Technologies Inc.
    - 15.3.1.1 Company Overview
    - 15.3.1.2 Product Portfolio
    - 15.3.1.3 SWOT Analysis
  - 15.3.2 Clarios International Inc.
    - 15.3.2.1 Company Overview
    - 15.3.2.2 Product Portfolio
  - 15.3.3 East Penn Manufacturing Co.
    - 15.3.3.1 Company Overview
    - 15.3.3.2 Product Portfolio
  - 15.3.4 EnerSys
    - 15.3.4.1 Company Overview
    - 15.3.4.2 Product Portfolio
    - 15.3.4.3 Financials
    - 15.3.4.4 SWOT Analysis
  - 15.3.5 Exide Industries Limited
    - 15.3.5.1 Company Overview
    - 15.3.5.2 Product Portfolio
    - 15.3.5.3 Financials
  - 15.3.6 GS Yuasa Corporation
    - 15.3.6.1 Company Overview
    - 15.3.6.2 Product Portfolio
    - 15.3.6.3 Financials
    - 15.3.6.4 SWOT Analysis
  - 15.3.7 HBL Power Systems Limited
    - 15.3.7.1 Company Overview

- 15.3.7.2 Product Portfolio
- 15.3.7.3 Financials
- 15.3.8 HOPPECKE Batterien GmbH & Co. KG
  - 15.3.8.1 Company Overview
  - 15.3.8.2 Product Portfolio
- 15.3.9 Leoch International Technology Limited
  - 15.3.9.1 Company Overview
  - 15.3.9.2 Product Portfolio
  - 15.3.9.3 Financials
- 15.3.10 Panasonic Holdings Corporation
  - 15.3.10.1 Company Overview
  - 15.3.10.2 Product Portfolio
  - 15.3.10.3 Financials
  - 15.3.10.4 SWOT Analysis
- 15.3.11 Teledyne Technologies Incorporated
  - 15.3.11.1 Company Overview
  - 15.3.11.2 Product Portfolio
  - 15.3.11.3 Financials
  - 15.3.11.4 SWOT Analysis

## List Of Tables

### LIST OF TABLES

Table 1: Global: Lead Acid Battery Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Lead Acid Battery Market Forecast: Breakup by Product (in Million US\$), 2023-2028

Table 3: Global: Lead Acid Battery Market Forecast: Breakup by Construction Method (in Million US\$), 2023-2028

Table 4: Global: Lead Acid Battery Market Forecast: Breakup by Sales Channel (in Million US\$), 2023-2028

Table 5: Global: Lead Acid Battery Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 6: Global: Lead Acid Battery Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Lead Acid Battery Market: Competitive Structure

Table 8: Global: Lead Acid Battery Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Lead Acid Battery Market: Major Drivers and Challenges

Figure 2: Global: Lead Acid Battery Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Lead Acid Battery Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Lead Acid Battery Market: Breakup by Product (in %), 2022

Figure 5: Global: Lead Acid Battery Market: Breakup by Construction Method (in %), 2022

Figure 6: Global: Lead Acid Battery Market: Breakup by Sales Channel (in %), 2022

Figure 7: Global: Lead Acid Battery Market: Breakup by Application (in %), 2022

Figure 8: Global: Lead Acid Battery Market: Breakup by Region (in %), 2022

Figure 9: Global: Lead Acid Battery (SLI) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Lead Acid Battery (SLI) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Lead Acid Battery (Stationary) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Lead Acid Battery (Stationary) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Lead Acid Battery (Motive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Lead Acid Battery (Motive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Lead Acid Battery (Flooded) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Lead Acid Battery (Flooded) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Lead Acid Battery (Valve Regulated Sealed Lead–acid Battery (VRLA)) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Lead Acid Battery (Valve Regulated Sealed Lead–acid Battery (VRLA)) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Lead Acid Battery (OEM) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Lead Acid Battery (OEM) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Lead Acid Battery (Aftermarket) Market: Sales Value (in Million US\$),

2017 & 2022

Figure 22: Global: Lead Acid Battery (Aftermarket) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Lead Acid Battery (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Lead Acid Battery (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Lead Acid Battery (UPS) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Lead Acid Battery (UPS) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Lead Acid Battery (Telecom) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Lead Acid Battery (Telecom) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Lead Acid Battery (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Lead Acid Battery (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: North America: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: North America: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: United States: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: United States: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Canada: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Canada: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Asia-Pacific: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Asia-Pacific: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: China: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: China: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Japan: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Japan: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: India: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: India: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: South Korea: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: South Korea: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Australia: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Australia: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Indonesia: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Indonesia: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Others: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Others: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Europe: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Europe: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Germany: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Germany: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: France: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: France: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: United Kingdom: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: United Kingdom: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Italy: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Italy: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Spain: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Spain: Lead Acid Battery Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 65: Russia: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Russia: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Others: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Others: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Latin America: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Latin America: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Brazil: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Brazil: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Mexico: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Mexico: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Others: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Others: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Middle East and Africa: Lead Acid Battery Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Middle East and Africa: Lead Acid Battery Market: Breakup by Country (in %), 2022

Figure 79: Middle East and Africa: Lead Acid Battery Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Global: Lead Acid Battery Industry: SWOT Analysis

Figure 81: Global: Lead Acid Battery Industry: Value Chain Analysis

Figure 82: Global: Lead Acid Battery Industry: Porter's Five Forces Analysis

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