

# **UPS Battery Market Size, Share & Trends Analysis Report By Battery (Lithium-ion, Lead Acid, Nickel Cadmium), By Application (Residential, Commercial, Data Centers, Industrial), By Region, And Segment Forecasts, 2025 - 2030**

<https://marketpublishers.com/r/UE882F9B630AEN.html>

Date: March 2025

Pages: 80

Price: US\$ 5,950.00 (Single User License)

ID: UE882F9B630AEN

## **Abstracts**

This report can be delivered to the clients within 2 Business Days

### **UPS Battery Market Size & Trends**

The global UPS battery market size was valued at USD 11.49 billion in 2024 and is expected to grow at a CAGR of 14% from 2025 to 2030. The rapid digitization of industries and the growing reliance on data centers, cloud computing, and IoT have significantly boosted the demand for uninterrupted power supply systems. Data centers require reliable power backup to prevent costly downtimes and ensure seamless operations. This has led to the adoption of advanced UPS batteries, particularly lithium-ion (Li-ion) batteries, which offer higher energy density, longer lifespan, and faster recharge times than traditional lead-acid batteries.

The Asia Pacific region has emerged as a key growth driver for the market. Rapid industrialization, urbanization, and digital transformation in countries like China, India, and Japan have fueled the demand for reliable power backup solutions. The expansion of IT infrastructure and telecommunications in this region further amplifies the need for UPS systems to support critical operations during power disruptions.

Sustainability concerns are reshaping market dynamics. Businesses worldwide are increasingly prioritizing eco-friendly solutions to reduce their environmental footprint. Li-ion batteries are gaining traction due to their lower environmental impact than traditional

lead-acid batteries. This shift aligns with corporate sustainability goals and regulatory mandates that emphasize reducing carbon emissions.

Additionally, technological advancements in battery design and integration with innovative technologies have driven market growth. Features like remote monitoring and intelligent automation enhance operational efficiency and reliability, making UPS systems more attractive to various industries. These innovations cater to the evolving needs of a digitally interconnected world.

The post-pandemic economic recovery has also contributed to market expansion. Increased energy consumption across automotive, industrial manufacturing, and consumer goods sectors has driven demand for efficient power backup solutions. Furthermore, businesses invest in UPS systems to ensure resilience against future disruptions.

Lastly, regional dynamics play a crucial role in shaping market trends. North America remains dominant due to its robust technological infrastructure and growing data center investments. Meanwhile, Europe's focus on sustainability and renewable energy integration drives the adoption of advanced UPS battery technologies. Together with Asia Pacific's rapid growth, these regions highlight diverse yet interconnected market expansion.

The UPS battery industry faces several challenges that impact its growth and sustainability. One of the primary concerns is the volatility of raw material costs and supply chain disruptions. The high and fluctuating prices of materials such as lithium, cobalt, and nickel pose a significant challenge, as these components account for a substantial portion of the battery cost. Additionally, geopolitical tensions and supply disruptions further complicate the supply chain. The increasing demand for these materials from other sectors, like electric vehicles, exacerbates the issue, making it difficult for UPS battery manufacturers to maintain stable pricing and supply.

UPS battery failures and maintenance are another critical challenge. Battery failures can lead to significant financial losses, particularly in critical infrastructure sectors like data centers. Regular inspections and maintenance are crucial to mitigate these risks. However, ensuring the reliability and longevity of UPS systems while managing maintenance costs is a delicate balance. This requires sophisticated monitoring systems and skilled personnel, which can be resource-intensive.

## Global UPS Battery Market Trends Report Segmentation

This report forecasts revenue growth at the global, regional, and country levels and analyzes the latest industry trends and opportunities in each of the sub-segments from 2018 to 2030. For the purpose of this study, Grand View Research has segmented the global UPS battery market report by battery, application and region:

Battery Outlook (Revenue, USD Billion; 2018 - 2030)

Lead Acid

Li-ion

Nickel Cadmium

Others

Application Outlook (Revenue, USD Billion; 2018 - 2030)

Residential

Commercial

Data Centers

Industrial

Regional Outlook (Revenue, USD Billion; 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Italy

Spain

Asia Pacific

China

Japan

India

Australia

South Korea

Central & South America

Brazil

Middle East & Africa

Saudi Arabia

## Contents

### CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Market Definition
- 1.3. Information Procurement
  - 1.3.1. Purchased Database
  - 1.3.2. GVR's Internal Database
  - 1.3.3. Secondary Applications & Third-Party Perspectives
  - 1.3.4. Primary Research
- 1.4. Information Analysis
  - 1.4.1. Data Analysis Models
- 1.5. Market Formulation & Data Visualization
- 1.6. Data Validation & Publishing

### CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Product Outlook
- 2.3. Application Outlook
- 2.4. Distribution Outlook
- 2.5. Competitive Landscape Outlook

### CHAPTER 3. UPS BATTERY MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage Outlook
- 3.2. Penetration & Growth Prospect Mapping
- 3.3. Industry Value Chain Analysis
  - 3.3.1. Raw Material Outlooks
  - 3.3.2. Manufacturing and Technology Trends
  - 3.3.3. Sales Channel Analysis
  - 3.3.4. Profit Margin Analysis
- 3.4. Market Dynamics
  - 3.4.1. Market Driver Analysis
  - 3.4.2. Market Restraint Analysis
  - 3.4.3. Market Opportunities
  - 3.4.4. Market Challenges
- 3.5. Industry Analysis - Porter's Five Forces Analysis

### 3.6. Market Entry Strategies

## **CHAPTER 4. UPS BATTERY MARKET: BATTERY ESTIMATES & TREND ANALYSIS**

- 4.1. UPS Battery Market, by Battery: Key Takeaways
- 4.2. Battery Movement Analysis & Market Share, 2024 & 2030
- 4.3. Market Estimates & Forecasts, by Battery, 2018 - 2030 (USD Billion)
  - 4.3.1. Lead Acid
    - 4.3.1.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 4.3.2. Li-ion
    - 4.3.2.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 4.3.3. Nickel Cadmium
    - 4.3.3.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 4.3.4. Others
    - 4.3.4.1. Market estimates and forecast, 2018 - 2030 (USD Billion)

## **CHAPTER 5. UPS BATTERY MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

- 5.1. UPS Battery Market, by Application: Key Takeaways
- 5.2. Application Movement Analysis & Market Share, 2024 & 2030
- 5.3. Market Estimates & Forecasts, by Application, 2018 - 2030 (USD Billion)
  - 5.3.1. Residential
    - 5.3.1.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 5.3.2. Commercial
    - 5.3.2.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 5.3.3. Data Centers
    - 5.3.3.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 5.3.4. Industrial
    - 5.3.4.1. Market estimates and forecast, 2018 - 2030 (USD Billion)

## **CHAPTER 6. UPS BATTERY MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

- 6.1. UPS Battery Market: Regional Outlook
- 6.2. Regional Movement Analysis & Market Share, 2024 & 2030
- 6.3. Market Estimates & Forecasts, by Region & Country, 2018 - 2030 (USD Billion)
  - 6.3.1. North America

- 6.3.1.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
- 6.3.1.2. U.S.
  - 6.3.1.2.1. Key country dynamics
  - 6.3.1.2.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
- 6.3.1.3. Canada
  - 6.3.1.3.1. Key country dynamics
  - 6.3.1.3.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
- 6.3.1.4. Mexico
  - 6.3.1.4.1. Key country dynamics
  - 6.3.1.4.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
- 6.3.2. Europe
  - 6.3.2.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.2.2. Germany
    - 6.3.2.2.1. Key country dynamics
    - 6.3.2.2.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.2.3. UK
    - 6.3.2.3.1. Key country dynamics
    - 6.3.2.3.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.2.4. France
    - 6.3.2.4.1. Key country dynamics
    - 6.3.2.4.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.2.5. Italy
    - 6.3.2.5.1. Key country dynamics
    - 6.3.2.5.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.2.6. Spain
    - 6.3.2.6.1. Key country dynamics
    - 6.3.2.6.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
- 6.3.3. Asia Pacific
  - 6.3.3.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.3.2. China
    - 6.3.3.2.1. Key country dynamics
    - 6.3.3.2.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.3.3. Japan
    - 6.3.3.3.1. Key country dynamics
    - 6.3.3.3.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.3.4. India
    - 6.3.3.4.1. Key country dynamics
    - 6.3.3.4.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.3.5. Australia

- 6.3.3.5.1. Key country dynamics
- 6.3.3.5.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
- 6.3.3.6. South Korea
  - 6.3.3.6.1. Key country dynamics
  - 6.3.3.6.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
- 6.3.4. Central & South America
  - 6.3.4.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.4.2. Brazil
    - 6.3.4.2.1. Key country dynamics
    - 6.3.4.2.2. Market estimates and forecast, 2018 - 2030 (USD Billion)
- 6.3.5. Middle East & Africa
  - 6.3.5.1. Market estimates and forecast, 2018 - 2030 (USD Billion)
  - 6.3.5.2. Saudi Arabia
    - 6.3.5.2.1. Key country dynamics

## **CHAPTER 7. COMPETITIVE ANALYSIS**

- 7.1. Recent Developments & Impact Analysis, by Key Market Participants
- 7.2. Company Categorization
- 7.3. Participant's Overview
- 7.4. Financial Performance
- 7.5. Product Benchmarking
- 7.6. Company Market Share Analysis, 2023 (%)
- 7.7. Company Heat Map Analysis
- 7.8. Strategy Mapping
- 7.9. Company Profiles
  - 7.9.1. Schneider Electric
  - 7.9.2. Eaton Corporation
  - 7.9.3. Vertiv Group Corp.
  - 7.9.4. Emerson Electric Co.
  - 7.9.5. Delta Electronics, Inc.
  - 7.9.6. Exide Industries Limited
  - 7.9.7. GS Yuasa International Ltd.
  - 7.9.8. East Penn Manufacturing Company
  - 7.9.9. EnerSys
  - 7.9.10. Vision Group



## I would like to order

Product name: UPS Battery Market Size, Share & Trends Analysis Report By Battery (Lithium-ion, Lead Acid, Nickel Cadmium), By Application (Residential, Commercial, Data Centers, Industrial), By Region, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/UE882F9B630AEN.html>

Price: US\$ 5,950.00 (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/UE882F9B630AEN.html>