

Global Battery Plate Market Size study & Forecast, by Battery Type (Lithium Ion Battery, Lead Acid Battery, Others), by End User (Automotive, Aerospace & Defense, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Battery Plate Market is valued at approximately USD 2.08 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 16.63% during the forecast period 2023-2030. Battery plates are critical components within lead-acid batteries, which are widely used for energy storage in various applications, including automotive, industrial, and renewable energy systems. These plates are immersed in an electrolyte solution of sulfuric acid, and together, they facilitate the electrochemical reactions necessary for energy storage and release. The Battery Plate Market is expanding because of factors such as the rising adoption of electric vehicles, increasing demand for energy storage solutions, and growth in the telecommunications and electronics sector.

The surge in electric vehicle demand is driving a global upswing in battery cell production. The appetite for batteries is experiencing a remarkable 30% year-on-year growth and has the potential to soar to 30,000 GWh by 2030, as per NITI Aayog (National Institution for Transforming India). Original Equipment Manufacturers (OEMs) are progressively revealing the cessation dates for their Internal Combustion Engine (ICE) vehicles, signalling a commitment to substantial increases in Electric Vehicle (EV) sales. This shift is poised to impact 50% of global vehicle sales, aligning with OEM objectives to phase out ICEs by 2050. As EV demand skyrockets, the manufacturing of battery components must escalate accordingly, prompting new battery cell manufacturers to plan gigafactories. This presents significant opportunities for battery component manufacturers to secure fresh supply contracts. With a growing emphasis on reducing fuel consumption, this market is experiencing substantial growth, with

projections indicating a robust trajectory in the forecast period. In addition, rising investment in battery cell production to reduce fuel consumption and the rising proliferation of consumer electronics are some factors creating new opportunities for market growth. However, raw material price volatility and stringent environmental regulations related to lead-acid batteries stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Battery Plate Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022. The market in the region is being driven by factors such as automobile manufacturing, lithium-ion battery production, massive consumer demand in China, India, and Japan, rising Urbanization and Infrastructure Development, Increasing awareness of environmental issues and a shift toward cleaner and sustainable energy solutions in the region. Europe is expected to grow at the fastest rate over the forecast period, owing to factors such as increasing emphasis on renewable energy sources and the rising adoption of electric vehicles across the region have stimulated the demand for energy storage solutions, thereby propelling the Battery Plate Market.

Major market player included in this report are:

Energys

Exide Technologies

Toshiba Corporation

G.S. Yuasa Corporation

Amara Raja Batteries Limited

Kijo Battery Group

Microvast Holding Inc.

Crown Battery

CSB Energy Technology Co. Ltd.

Fiamm Energy Storage Solutions SpA

Recent Developments in the Market:

In September 2023, Exide Technologies made a significant investment exceeding USD 11.2 million in its subsidiary, Exide Energy Solutions Ltd. This subsidiary specializes in the manufacturing of advanced chemical battery cells, producing a range of innovative battery types. These include but are not limited to shapeless, tube, or prismatic battery cells. The company's operations encompass the complete process of production, assembly, and sales, along with various associated activities.

In April 2023, EnerSys disclosed its acquisition of Industrial Battery and Charger Services Limited (IBCS), a prominent battery service and maintenance provider headquartered in the U.K. This strategic move is indicative of EnerSys's intent to broaden its business footprint in the U.K. The acquisition positions EnerSys to offer an extensive array of battery technology, maintenance solutions, and services within the U.K. Market.

Global Battery Plate Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Battery Type, End User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Battery Type:

Lithium Ion Battery

Lead Acid Battery

Others

By End User:

Automotive

Aerospace & Defense

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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