

# Global IC Engine Battery Market Size Study & Forecast, by Engine Type (Gasoline, Diesel, and Alternate Fuels), By Battery Type (Lithium-ion, Lead-acid, and Others), By Vehicle Type (Passenger Cars and Commercial Vehicles), and Regional Analysis, 2023-2030

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## Abstracts

Global IC Engine Battery Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. An IC Engine Battery, short for Internal Combustion Engine Battery, is a type of battery used to power the electrical systems in vehicles equipped with internal combustion engines. These batteries provide the necessary electrical energy to start the engine, and power accessories such as lights, radio, air conditioning, and other electronic components in the vehicle. IC engine batteries are typically lead-acid batteries, although newer vehicles may use advanced battery technologies like lithium-ion batteries. They help in ensuring the proper functioning of a vehicle's electrical system and are rechargeable to maintain their energy supply over time. The global rise in transportation demand is driving the IC Engine Battery Market. This surge is fueled by the rapid expansion of road infrastructure, leading to increased adoption of various types of batteries in vehicles such as Lead-Acid, Lithium-Ion, and Nickel-Metal Hydride cells. Among these, Lithium-Ion batteries are gaining high traction due to their lightweight nature and faster charging capabilities, which, in turn, exhibiting a positive influence on the growth of the Global IC Engine Battery Market.

Along with this, the growth in global automotive production and sales is a major driver of the IC engine battery market. As the number of vehicles on the road increases, accordingly, the demand for batteries to power their electrical systems. According to

data from the International Organization of Motor Vehicle Manufacturers, the global production of commercial vehicles reached around 21.78 million units in 2020, and passenger cars accounted for approximately 55.83 million units. In 2021, these figures increased to about 23.09 million units for commercial vehicles and 57.05 million units for passenger cars globally. Thus, these aforementioned factors are propelling the growth of the IC Engine Battery Market during the estimated period. Moreover, the increasing advancements in automotive technology, as well as the rising shift towards optimized batteries present various lucrative opportunities over the forecast years. However, the high adoption of electric vehicles (EVs) and the evolving regulations and standards related to emissions are challenging the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global IC Engine Battery Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to the significant fleet of internal combustion engine vehicles, rapid urbanization, and the rising demand for replacement batteries and aftermarket battery services. This region encompasses diverse vehicle segments, ranging from small cars to heavy-duty trucks and buses, each with unique battery requirements, creating a wide market for various types of IC engine batteries. In certain countries within the region, the initial cost of purchasing electric vehicles surpasses that of traditional IC engine vehicles. Consequently, cost-conscious consumers continue to prefer IC engine vehicles, driving sustained demand for IC engine batteries. With major automotive markets like China, India, Japan, and South Korea, the Asia Pacific region presents one of the largest and fastest-growing markets for vehicles, thus constituting a substantial market for IC engine batteries. Whereas Europe is expected to grow at the highest CAGR over the forecast years. The surge in demand for electric start systems, ongoing advancements in battery technology, as well as rising expansion and modernization of the automotive sector are significantly propelling the market demand across the region.

Major market players included in this report are:

Exide Industries Limited

Panasonic Corporation

Robert Bosch GmbH

Hitachi Group

A123 Systems, Inc.

Samsung SDI Co., Ltd.

BYD Company Limited

LG Chem Ltd.

GS Yuasa Corporation

Contemporary Amperex Technology Co., Limited (CATL)

Recent Developments in the Market:

In March 2022, Exide Technologies and Shenyang Dongbei Storage Battery Company established a joint venture aimed at mass-producing automotive batteries in the Chinese market.

In May 2021, Daimler Truck AG and CATL expanded their global strategic partnership to develop advanced next-generation batteries.

In December 2021, Toyota disclosed a USD 1.3 billion investment for the creation of a battery manufacturing facility in North Carolina, projected to produce lithium-ion batteries for 800,000 vehicles.

Global IC Engine Battery 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 - Engine Type, Battery Type, Vehicle type, Region

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

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

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for 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 to detailed information about the crucial aspects such as driving factors & challenges that will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Engine Type:

Gasoline

Diesel

Alternate fuels

By Battery Type:

Lithium Ion

Lead acid

Others

By Vehicle type:

Passenger Cars

## Commercial Vehicles

### 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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