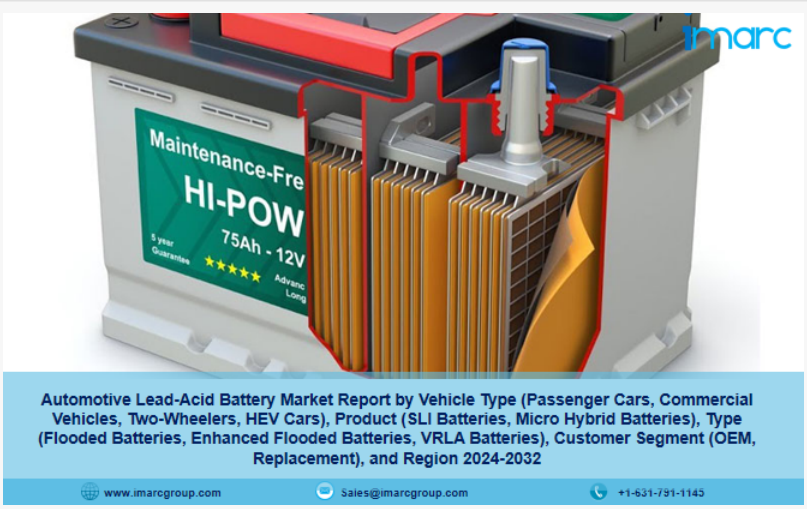
Automotive Lead-Acid Battery Market Size Cross to Revenue USD 16.3 Billion by 2032 | CAGR of 2.2%

SHERIDAN, WYOMING, UNITED STATES, June 27, 2024 /EINPresswire.com/ -- IMARC Group's report titled "Automotive Lead-Acid Battery Market Report by Vehicle Type (Passenger Cars, Commercial Vehicles, Two-Wheelers, HEV Cars), Product (SLI Batteries, Micro Hybrid Batteries), Type (Flooded Batteries, Enhanced Flooded Batteries, VRLA Batteries), Customer Segment (OEM, Replacement), and Region 2024-2032". The global automotive lead-acid battery market size reached US$ 13.3 Billion in 2023. Looking forward, IMARC Group expects the market to reach US$ 16.3 Billion by 2032, exhibiting a growth rate (CAGR) of 2.2% during 2024-2032.



Automotive Lead-Acid Battery Market

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Factors Affecting the Growth of the Automotive Lead-acid Battery Industry:

 Vehicle Production:

Original equipment manufacturers (OEMs) are major consumers of lead-acid batteries. As vehicle production is increasing, the demand for batteries to power these vehicles is rising. OEMs require reliable and cost-effective battery solutions to meet the power needs of the vehicles they manufacture. The automotive industry is one of the largest manufacturing sectors around the world. When there is an upswing in vehicle production due to factors like economic growth, consumer demand, or new market entries, it directly results in higher demand for lead-acid batteries.

 Eco-Friendly Initiatives:

Lead-acid batteries are known for their high recyclability rate, as the recycling process for lead-acid batteries is well-established and efficient. This recyclability reduces the environmental impact of these batteries and aligns with eco-friendly objectives to minimize waste. Various regions and countries have regulations to ensure the proper disposal and recycling of lead-acid batteries. Compliance with these regulations is essential for battery manufacturers and users, reinforcing the eco-friendly aspect of lead-acid battery management. The concept of a circular economy, where products and materials are reused and recycled to reduce resource consumption, resonates with the lead-acid battery industry.

 Technological Advancements:

Technological advancements are leading to the development of advanced lead-acid battery designs. These designs can include improvements in electrode materials, separator materials, and overall battery construction. Enhanced designs can result in higher energy density, longer cycle life, and better overall performance. Absorbent glass mat (AGM) and gel battery technologies are examples of advancements within the lead-acid battery category. These technologies offer advantages, such as improved resistance to vibration and deep cycling, making them suitable for applications like start-stop systems in vehicles.

Leading Companies Operating in the Global Automotive Lead-Acid Battery Industry:

 C&D Technologies Inc.
 Clarios
 CSB Energy Technology Co. Ltd (Showa Denko K.K.)
 East Penn Manufacturing Company
 EnerSys
 Exide Industries Ltd.
 GS Yuasa Corporation
 Koyo Battery Co., Ltd.
 Leoch International Technology Ltd
 Century Batteries Indonesia
 Robert Bosch GmbH
 Thai Bellco Battery Co. Ltd.

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Automotive Lead-acid Battery Market Report Segmentation:

By Vehicle Type:

 Passenger Cars

 Commercial Vehicles
 Two-Wheelers
 HEV Cars

Commercial vehicles represented the largest segment due to their higher power requirements and the need for reliable, cost-effective batteries in applications, such as trucks, buses, and heavy-duty vehicles.

By Product:

 SLI Batteries
 Micro Hybrid Batteries

SLI batteries accounted for the largest market share as they are essential for starting, lighting, and ignition functions in both passenger cars and commercial vehicles.

By Type:

 Flooded Batteries
 Enhanced Flooded Batteries
 VRLA Batteries

Flooded batteries exhibit a clear dominance in the market on account of their established presence, cost-effectiveness, and suitability for a wide range of automotive applications.

By Customer Segment:

 OEM
 Replacement

OEM holds the biggest market share as it is the primary consumer of lead-acid batteries for new vehicle production.

Regional Insights:

 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

Asia Pacific enjoys the leading position in the automotive lead-acid battery market. This can be accredited to its robust automotive manufacturing industry, especially in countries like China

and India.

Global Automotive Lead-acid Battery Market Trends:

The market is witnessing a trend towards advanced lead-acid battery technologies such as absorbent glass mat (AGM) and gel batteries, which offer better performance, longer lifespan and greater resistance to vibrations. Lead-acid batteries are also increasingly being integrated into start-stop systems in vehicles, helping to improve fuel efficiency and reduce emissions, especially in urban driving conditions.

Note: If you need specific information that is not currently within the scope of the report, we will provide it to you as a part of the customization.

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Elena Anderson
IMARC Services Private Limited
+1 631-791-1145
email us here