

Global Automotive Battery Thermal Management System Market 2023-2029

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Abstracts

An automotive battery thermal management system is a system that regulates the temperature of the battery in an electric vehicle (EV) or hybrid electric vehicle (HEV). The system is designed to maintain the battery within a safe operating temperature range to ensure optimal performance and longevity. The global automotive battery thermal management system market is expected to increase by USD 2.8 billion, at a compound annual growth rate (CAGR) of 12.62% from 2023 to 2029, according to the latest edition of the Global Automotive Battery Thermal Management System Market Report. The battery in an EV or HEV is a critical component that powers the vehicle. However, if the battery becomes too hot or too cold, it can cause performance issues and reduce the lifespan of the battery. An automotive battery thermal management system helps to regulate the temperature of the battery by using a combination of cooling and heating systems. The battery in an EV or HEV is a critical component that powers the vehicle. However, if the battery becomes too hot or too cold, it can cause performance issues and reduce the lifespan of the battery. An automotive battery thermal management system helps to regulate the temperature of the battery by using a combination of cooling and heating systems.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global automotive battery thermal management system market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the technology, propulsion, vehicle type, and region. The global

market for automotive battery thermal management system can be segmented by technology: air, liquid, phase change material, thermo electrics. According to the research, the liquid segment had the largest share in the global automotive battery thermal management system market. Automotive battery thermal management system market is further segmented by propulsion: hybrid electric vehicles, battery electric vehicles, plug-in hybrid electric vehicles, fuel cell vehicle. In 2022, the hybrid electric vehicles segment made up the largest share of revenue generated by the automotive battery thermal management system market. Based on vehicle type, the automotive battery thermal management system market is segmented into: passenger cars, commercial vehicle. Among these, the passenger cars segment was accounted for the highest revenue generator in 2022. On the basis of region, the automotive battery thermal management system market also can be divided into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. Asia-Pacific captured the largest share of the market in 2022.

Market Segmentation

By technology: air, liquid, phase change material, thermo electrics

By propulsion: hybrid electric vehicles, battery electric vehicles, plug-in hybrid electric vehicles, fuel cell vehicle

By vehicle type: passenger cars, commercial vehicle

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report also provides analysis of the key companies of the industry and their detailed company profiles including Continental AG, Robert Bosch GmbH, LG Chem Ltd., Mahle GmbH, VOSS Automotive, Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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Scope of the Report

To analyze and forecast the market size of the global automotive battery thermal management system market.

To classify and forecast the global automotive battery thermal management system market based on technology, propulsion, vehicle type, region.

To identify drivers and challenges for the global automotive battery thermal management system market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global automotive battery thermal management system market.

To identify and analyze the profile of leading players operating in the global automotive battery thermal management system market.

Why Choose This Report

Gain a reliable outlook of the global automotive battery thermal management system market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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PART 9. KEY COMPANIES

Continental AG

Robert Bosch GmbH

LG Chem Ltd.

Mahle GmbH

VOSS Automotive, Inc.

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