

Global Passenger Vehicle Battery Thermal Management System Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Passenger Vehicle Battery Thermal Management System market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Automotive Battery Thermal Management System is a system controlling the cooling and pre-heating of battery used in electric and hybrid vehicles. Automotive Battery Thermal Management System is part of the automotive thermal management system. It ensures batteries operate within a certain temperature range, will be crucial to helping electric cars drive greater distances for a longer period of time. The major parts of automotive battery thermal management system are Cooling plate, battery cooler, electronic water pump and electronic expansion valve. Most of these parts are produced by the system suppliers.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the

world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

The Global Info Research report includes an overview of the development of the Passenger Vehicle Battery Thermal Management System industry chain, the market status of PHEV (Liquid Cooling and Heating, Air Cooling and Heating), BEV (Liquid Cooling and Heating, Air Cooling and Heating), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Passenger Vehicle Battery Thermal Management System.

Regionally, the report analyzes the Passenger Vehicle Battery Thermal Management System markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Passenger Vehicle Battery Thermal Management System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Passenger Vehicle Battery Thermal Management System market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Passenger Vehicle Battery Thermal Management System industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Liquid Cooling and Heating, Air Cooling and Heating).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Passenger Vehicle Battery Thermal Management System market.

Regional Analysis: The report involves examining the Passenger Vehicle Battery Thermal Management System market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within

different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Passenger Vehicle Battery Thermal Management System market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Passenger Vehicle Battery Thermal Management System:

Company Analysis: Report covers individual Passenger Vehicle Battery Thermal Management System manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Passenger Vehicle Battery Thermal Management System. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (PHEV, BEV).

Technology Analysis: Report covers specific technologies relevant to Passenger Vehicle Battery Thermal Management System. It assesses the current state, advancements, and potential future developments in Passenger Vehicle Battery Thermal Management System areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Passenger Vehicle Battery Thermal Management System market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Passenger Vehicle Battery Thermal Management System market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms

of volume and value.

Market segment by Type

Liquid Cooling and Heating

Air Cooling and Heating

Market segment by Application

PHEV

BEV

Major players covered

Mahle

Valeo

Hanon Systems

Gentherm

Dana

Grayson

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Passenger Vehicle Battery Thermal Management System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Passenger Vehicle Battery Thermal Management System, with price, sales, revenue and global market share of Passenger Vehicle Battery Thermal Management System from 2019 to 2024.

Chapter 3, the Passenger Vehicle Battery Thermal Management System competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Passenger Vehicle Battery Thermal Management System breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Passenger Vehicle Battery Thermal Management System market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Passenger Vehicle Battery Thermal Management System.

Chapter 14 and 15, to describe Passenger Vehicle Battery Thermal Management System sales channel, distributors, customers, research findings and conclusion.

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