

Europe Electric Vehicle Thermal Management System Market Size study, by Vehicle Type (Passenger Vehicles, Commercial Vehicles, Two Wheeler And Three Wheeler) By Technology (Liquid Cooling And Heating, Air Cooling And Heating, Other Technologies) By Propulsion Type (Battery Electric Vehicle, Hybrid Electric Vehicle, Plug in Hybrid Electric Vehicle, Fuel Cell Electric Vehicle) By Application (Engine Cooling, Air Conditioning System, Electric Vehicle Battery Thermal System, Transmission System) and Country Forecast 2022-2032

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Abstracts

Europe Electric Vehicle Thermal Management System Market is valued approximately USD 630 million in 2023 and is anticipated to grow with a healthy growth rate of more than 24.42% over the forecast period 2024-2032. The Electric Vehicle Thermal Management System is a critical component that regulates and manages the temperature of numerous vehicle components, including the battery pack, electric motor, power electronics, and cabin comfort. These systems assist in maintaining appropriate operating temperatures for the battery pack, ensuring its efficiency, longevity, and safety. Furthermore, rising demand for a thermal cooling solution are gaining attention towards Europe Electric Vehicle Thermal Management System Market. Thermal cooling solutions are critical for maintaining the optimal operating temperature of electric vehicle battery packs. Efficient cooling helps to mitigate heat

buildup during charging and discharging cycles, which can degrade battery performance and shorten its lifespan.

The Europe Electric Vehicle Thermal Management System Market is driven by growing number of subsidies by the government for electric vehicles and increasing demand for electric vehicle across the region. Subsidies help drive market penetration of electric vehicles by making them more accessible to a broader segment of the population. This increased adoption of electric vehicles leads to a larger installed base of EVs on the roads, creating a greater demand for EV-TMS systems to ensure the optimal performance, efficiency, and safety of these vehicles. In addition, government subsidies for electric vehicles often come with additional support measures, such as funding for charging infrastructure development, research grants for EV technology advancements, and regulatory incentives for clean transportation. However, high cost of electric vehicle thermal management system and lack of technical expertise is expected to impede the overall demand for the market during the forecast period 2024-2032.

The key countries considered for the Europe Electric Vehicle Thermal Management System market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany was the largest regional market in terms of revenue owing to factors such as high adoption of electric vehicles across the region. Efficient thermal management enhances the overall efficiency of the electric vehicle. By maintaining optimal operating temperatures for various components such as the battery, motor, and power electronics, electric vehicle thermal management system improves overall vehicle performance and energy economy. Furthermore, the market in UK, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Robert Bosch GmbH

Mahle GmbH

Valeo S.A.

VOSS Automotive GmbH

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Vehicle Type

Passenger Vehicles

Commercial Vehicles

Two-Wheeler And Three Wheeler

By Technology

Liquid Cooling and Heating

Air Cooling and Heating

Other Technologies

By Propulsion Type

Battery Electric Vehicle

Hybrid Electric Vehicle

Plug in Hybrid Electric Vehicle

Fuel Cell Electric Vehicle

By Application

Engine Cooling

Air Conditioning System

Electric Vehicle Battery Thermal System

Transmission System

By Region:

Europe

UK

Germany

France

Spain

Italy

ROE

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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