

Asia Pacific 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 Forecasts 2022-2032

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Abstracts

Asia Pacific Electric Vehicle Thermal Management System Market is valued approximately at USD 750 million in 2023 and is anticipated to grow with a healthy growth rate of more than 32.50% over the forecast period 2024-2032. Electric Vehicle Thermal Management System is a crucial component designed to regulate and manage the temperature of various vehicle components, particularly those related to the battery pack, electric motor, power electronics, and cabin comfort. These systems help in maintaining optimal operating temperatures for the battery pack and ensure its efficiency, longevity, and safety. Furthermore, advancement in battery technologies are driving the Asia Pacific Electric Vehicle Thermal Management System Market. Effective thermal management can significantly impact the lifespan of battery packs in electric vehicles. By maintaining optimal operating temperatures, EV-TMS solutions help in

preventing overheating and thermal degradation, thereby extending the lifespan of the battery pack

The Asia Pacific Electric Vehicle Thermal Management System Market is driven by high manufacturing and outsourced manufacturing capacities of battery products and increasing adoption of electric vehicles across the region. Effective thermal management can significantly impact the lifespan of battery packs in electric vehicles. Through maintaining optimal operating temperatures, thermal Management solutions help prevent overheating and thermal degradation, thereby extending the lifespan of the battery pack. In addition, Electric vehicles offer a sustainable alternative to traditional internal combustion engine vehicles, with zero tailpipe emissions. EV-TMS plays a crucial role in supporting the efficient operation of electric vehicles, further incentivizing their adoption. 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 Asia Pacific Electric Vehicle Thermal Management System market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the largest regional market in terms of revenue owing to factors such as rising automotive production of electric vehicles across the region. Original equipment manufacturers (OEMs) are increasingly incorporating electric vehicle thermal management solutions into their electric vehicle platforms to enhance vehicle performance, efficiency, and reliability. The market in India, on the other hand, is expected to grow at the fastest rate over the forecast period.

Major market player included in this report are:

Hanon Systems Company

Denso Corporation

Marelli Holdings Co., Ltd

Company 4

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:

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

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 of major regions.

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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