

Global Battery Thermal Management System for Mobility and Consumer Electronics Market 2023-2029

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Abstracts

A battery thermal management system (BTMS) is an essential component of battery-powered mobility and consumer electronic devices. BTMS helps to regulate the temperature within the battery, preventing overheating or overcooling. This can prolong battery life, ensuring that the performance of the device is consistent over a longer period. It can also minimize the risk of thermal runaway, which can lead to battery swelling, venting, or in some cases, explosion. The system helps to maintain the temperature within safe operating limits, ensuring user safety. The global battery thermal management system for mobility and consumer electronics market is anticipated to increase by USD 15.4 billion till 2029 at an average annual growth of 23.8 percent as per the latest market estimates.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global battery thermal management system for mobility and consumer electronics 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 type, battery type, technology, application, and region. The global market for battery thermal management system for mobility and consumer electronics can be segmented by type: hybrid, passive, active. The active segment is estimated to account for the largest share of the global battery thermal management system for mobility and consumer electronics market. Battery thermal management system for mobility and consumer electronics market is further segmented by battery type: solid-state batteries, conventional batteries. The conventional batteries segment

held the largest revenue share in 2022. Based on technology, the battery thermal management system for mobility and consumer electronics market is segmented into: air cooling and heating, liquid cooling and heating, refrigerant cooling and heating, others. Globally, the liquid cooling and heating segment made up the largest share of the battery thermal management system for mobility and consumer electronics market. On the basis of application, the battery thermal management system for mobility and consumer electronics market also can be divided into: mobility, consumer electronics. The mobility segment was the largest contributor to the global battery thermal management system for mobility and consumer electronics market in 2022. Battery thermal management system for mobility and consumer electronics market by region is categorized into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America.

Market Segmentation

By type: hybrid, passive, active

By battery type: solid-state batteries, conventional batteries

By technology: air cooling and heating, liquid cooling and heating, refrigerant cooling and heating, others

By application: mobility, consumer electronics

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

The market research report covers the analysis of key stake holders of the global battery thermal management system for mobility and consumer electronics market. Some of the leading players profiled in the report include Valeo SA, Mahle GmbH, Samsung SDI Co., Ltd., Robert Bosch GmbH, LG Chem Ltd., Denso Corporation, BorgWarner 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 battery thermal management system for mobility and consumer electronics market.

To classify and forecast the global battery thermal management system for mobility and consumer electronics market based on type, battery type, technology, application, region.

To identify drivers and challenges for the global battery thermal management system for mobility and consumer electronics market.

To examine competitive developments such as mergers & acquisitions, agreements,

collaborations and partnerships, etc., in the global battery thermal management system for mobility and consumer electronics market.

To identify and analyze the profile of leading players operating in the global battery thermal management system for mobility and consumer electronics market.

Why Choose This Report

Gain a reliable outlook of the global battery thermal management system for mobility and consumer electronics 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.

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Europe

Asia-Pacific

MEA (Middle East and Africa)

Latin America

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Valeo SA

Mahle GmbH

Samsung SDI Co., Ltd.

Robert Bosch GmbH

LG Chem Ltd.

Denso Corporation

BorgWarner Inc.

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