

# Global Automotive Battery 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 Automotive Battery Management System market size was valued at USD 2952.2 million in 2023 and is forecast to a readjusted size of USD 11410 million by 2030 with a CAGR of 21.3% during review period.

Automotive Battery Management System (BMS), commonly known as Battery Nanny or Battery Manager, is mainly for the intelligent MANAGEMENT and maintenance of each battery unit, to prevent the battery from over-charging and over-discharging, to extend the service life of the BATTERY and to monitor the state of the BATTERY. Battery management system and the electric vehicle power battery together, through the sensor to the battery voltage, current, temperature, the real-time detection, as well as detect the leakage, thermal management, battery balanced management, alarm to remind, the residual capacity of computing (SOC), discharge power, report of the residual capacity of battery degradation (SOH) and the state of (SOC), according to the battery voltage and current and temperature also use algorithm of maximum output power control to achieve maximum range, as well as the best current algorithm control charger for charging, Through CAN bus interface, real-time communication is carried out with on-board general controller, motor controller, energy control system, on-board display system, etc.

Global key players of Automotive Battery Management System include Tesla and CATL, etc. The top two players hold a share over 25%. Asia Pacific is the largest market, has a share about 60%. In terms of product type, Distributed BMS is the largest segment, occupied for a share of about 90%, and in terms of application, BEV has a share about 77 percent.

The Global Info Research report includes an overview of the development of the Automotive Battery Management System industry chain, the market status of BEV (Distributed BMS, Centralized BMS), PHEV (Distributed BMS, Centralized BMS), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Battery Management System.

Regionally, the report analyzes the Automotive Battery 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 Automotive Battery Management System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Automotive Battery 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 Automotive Battery 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., Distributed BMS, Centralized BMS).

**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 Automotive Battery Management System market.

**Regional Analysis:** The report involves examining the Automotive Battery 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 Automotive Battery 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 Automotive Battery Management System:

**Company Analysis:** Report covers individual Automotive Battery 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 Automotive Battery Management System. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (BEV, PHEV).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automotive Battery 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

Automotive Battery 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

#### Distributed BMS

Centralized BMS

Market segment by Application

BEV

PHEV

Major players covered

FinDreams Battery

Tesla

CATL

LG Innotek

Sinoev

LIGOO New Energy Technology

UAES

Preh

Hyundai Mobis

SAIC Motor

Ficosa

Denso

GuoChuang Renewable Energy Technology

VREMT

Neusoft Reach

Hyundai Kefico

KLClear Technology

G-Pulse Electronics

Gotion High-Tech

E-POWER Electronics

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 Automotive Battery Management System product scope, market overview, market estimation caveats and base year.

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

Chapter 3, the Automotive Battery Management System competitive situation, sales

quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Battery 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 Automotive Battery 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 Automotive Battery Management System.

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

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