

Europe Electric Vehicle Battery Management System (EVBMS) Market 2021-2031 by Component (Hardware, Software & Services), Product Type (Distributed, Centralized, Modular), Application (Voltage Monitoring, Thermal Management, Current Management, Charging and Discharging Control, Others), Battery Type (Lithium Ion, Redox Flow, Lead Acid, Others), Propulsion Type (BEVs, HEVs, PHEVs, FCEVs), Vehicle Type (Passenger, Commercial), and Country: Trend Forecast and Growth Opportunity

<https://marketpublishers.com/r/ED0BA02BC619EN.html>

Date: July 2022

Pages: 122

Price: US\$ 2,533.00 (Single User License)

ID: ED0BA02BC619EN

Abstracts

Europe electric vehicle battery management system (EVBMS) market was valued at \$1,846.0 million in 2021 and will grow by 15.3% annually over 2021-2031, driven by the rising sales for electric vehicles (EVs), increasing demand for sustainable and clean energy vehicles, supportive government initiatives, and the depleting fossil fuel and rising environmental awareness amongst people.

Highlighted with 34 tables and 63 figures, this 122-page report “Europe Electric Vehicle Battery Management System (EVBMS) Market 2021-2031 by Component (Hardware, Software & Services), Product Type (Distributed, Centralized, Modular), Application (Voltage Monitoring, Thermal Management, Current Management, Charging and Discharging Control, Others), Battery Type (Lithium Ion, Redox Flow, Lead Acid, Others), Propulsion Type (BEVs, HEVs, PHEVs, FCEVs), Vehicle Type (Passenger, Commercial), and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire Europe electric vehicle battery management

system (EVBMS) market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2018-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of Europe market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify Europe electric vehicle battery management system (EVBMS) market in every aspect of the classification from perspectives of Component, Product Type, Application, Battery Type, Propulsion Type, Vehicle Type, and Country.

Based on Component, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Hardware

Fuel Gauge/Current Measurement Devices

Temperature Sensor

Integrated Circuits

Cutoff FETs and FET Driver

Microcontroller

Other Hardware

Software & Services

Based on Product Type, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Distributed BMS

Centralized BMS

Modular BMS

By Application, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Voltage Monitoring

Thermal Management

Current Management

Charging and Discharging Control

Other Applications

By Battery Type, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Lithium Ion

Redox Flow

Lead Acid

Other Battery Types

By Propulsion Type, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Battery Electric Vehicles (BEVs)

Hybrid Electric Vehicles (HEVs)

Plug-in Hybrid Electric Vehicle (PHEVs)

Fuel Cell Electric Vehicle (FCEVs)

By Vehicle Type, the Europe market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Passenger Cars

Commercial Vehicles

Other Vehicles

Geographically, the following national/local markets are fully investigated:

Germany

UK

France

Spain

Italy

Netherlands

Rest of Europe (further segmented into Russia, Switzerland, Poland, Sweden, Belgium, Austria, Ireland, Norway, Denmark, and Finland)

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of national markets by Battery Type, Propulsion Type and Vehicle Type over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

Analog Devices Inc.

BYD

Contemporary Amperex Technology Co. Limited (CATL)

Hyundai Mobis

Infineon Technologies AG

Keihin Corporation

NXP Semiconductors

Renesas Electronics Corporation

SAIC Motor Corporation Limited

Silicon Laboratories

TE Connectivity

Tesla Motors

Texas Instruments Incorporated

Visteon Corporation

Vitesco Technologies

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

Contents

1 INTRODUCTION

- 1.1 Industry Definition and Research Scope
 - 1.1.1 Industry Definition
 - 1.1.2 Research Scope
- 1.2 Research Methodology
 - 1.2.1 Overview of Market Research Methodology
 - 1.2.2 Market Assumption
 - 1.2.3 Secondary Data
 - 1.2.4 Primary Data
 - 1.2.5 Data Filtration and Model Design
 - 1.2.6 Market Size/Share Estimation
 - 1.2.7 Research Limitations
- 1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

- 2.1 Market Size and Forecast
 - 2.1.1 Impact of COVID-19 on World Economy
 - 2.1.2 Impact of COVID-19 on the Market
- 2.2 Major Growth Drivers
- 2.3 Market Restraints and Challenges
- 2.4 Emerging Opportunities and Market Trends
- 2.5 Porter's Fiver Forces Analysis

3 SEGMENTATION OF EUROPE MARKET BY COMPONENT

- 3.1 Market Overview by Component
- 3.2 Hardware
 - 3.2.1 Fuel Gauge/Current Measurement Devices
 - 3.2.2 Temperature Sensor
 - 3.2.3 Integrated Circuits
 - 3.2.4 Cutoff FETs and FET Driver
 - 3.2.5 Microcontroller
 - 3.2.6 Other Hardware
- 3.3 Software & Services

4 SEGMENTATION OF EUROPE MARKET BY PRODUCT TYPE

- 4.1 Market Overview by Product Type
- 4.2 Distributed BMS
- 4.3 Centralized BMS
- 4.4 Modular BMS

5 SEGMENTATION OF EUROPE MARKET BY APPLICATION

- 5.1 Market Overview by Application
- 5.2 Voltage Monitoring
- 5.3 Thermal Management
- 5.4 Current Management
- 5.5 Charging and Discharging Control
- 5.6 Other Applications

6 SEGMENTATION OF EUROPE MARKET BY BATTERY TYPE

- 6.1 Market Overview by Battery Type
- 6.2 Lithium Ion
- 6.3 Redox Flow
- 6.4 Lead Acid
- 6.5 Other Battery Types

7 SEGMENTATION OF EUROPE MARKET BY PROPULSION TYPE

- 7.1 Market Overview by Propulsion Type
- 7.2 Battery Electric Vehicles (BEVs)
- 7.3 Hybrid Electric Vehicles (HEVs)
- 7.4 Plug-in Hybrid Electric Vehicle (PHEVs)
- 7.5 Fuel Cell Electric Vehicle (FCEVs)

8 SEGMENTATION OF EUROPE MARKET BY VEHICLE TYPE

- 8.1 Market Overview by Vehicle Type
- 8.2 Passenger Cars
- 8.3 Commercial Vehicles
- 8.4 Other Vehicles

9 EUROPEAN MARKET 2021-2031 BY COUNTRY

9.1 Overview of European Market

9.2 Germany

9.3 U.K.

9.4 France

9.5 Spain

9.6 Italy

9.7 Netherlands

9.8 Rest of European Market

10 COMPETITIVE LANDSCAPE

10.1 Overview of Key Vendors

10.2 New Product Launch, Partnership, Investment, and M&A

10.3 Company Profiles

Analog Devices Inc.

BYD

Contemporary Amperex Technology Co. Limited (CATL)

Hyundai Mobis

Infineon Technologies AG

Keihin Corporation

NXP Semiconductors

Renesas Electronics Corporation

SAIC Motor Corporation Limited

Silicon Laboratories

TE Connectivity

Tesla Motors

Texas Instruments Incorporated

Visteon Corporation

Vitesco Technologies

RELATED REPORTS

List Of Tables

LIST OF TABLES

Table 1. Snapshot of Europe Electric Vehicle Battery Management System Market in Balanced Perspective, 2021-2031

Table 2. World Economic Outlook, 2021-2031

Table 3. World Economic Outlook, 2021-2023

Table 4. Main Product Trends and Market Opportunities in Europe Electric Vehicle Battery Management System Market

Table 5. Europe Electric Vehicle Battery Management System Market by Component, 2021-2031, \$ mn

Table 6. Europe Electric Vehicle Battery Management System Market: Hardware by Type, 2021-2031, \$ mn

Table 7. Europe Electric Vehicle Battery Management System Market by Product Type, 2021-2031, \$ mn

Table 8. Europe Electric Vehicle Battery Management System Market by Application, 2021-2031, \$ mn

Table 9. Europe Electric Vehicle Battery Management System Market by Battery Type, 2021-2031, \$ mn

Table 10. Europe Electric Vehicle Battery Management System Market by Propulsion Type, 2021-2031, \$ mn

Table 11. Europe Electric Vehicle Battery Management System Market by Vehicle Type, 2021-2031, \$ mn

Table 12. Europe Electric Vehicle Battery Management System Market by Country, 2021-2031, \$ mn

Table 13. Germany Electric Vehicle Battery Management System Market by Battery Type, 2021-2031, \$ mn

Table 14. Germany Electric Vehicle Battery Management System Market by Propulsion Type, 2021-2031, \$ mn

Table 15. Germany Electric Vehicle Battery Management System Market by Vehicle Type, 2021-2031, \$ mn

Table 16. U.K. Electric Vehicle Battery Management System Market by Battery Type, 2021-2031, \$ mn

Table 17. U.K. Electric Vehicle Battery Management System Market by Propulsion Type, 2021-2031, \$ mn

Table 18. U.K. Electric Vehicle Battery Management System Market by Vehicle Type, 2021-2031, \$ mn

Table 19. France Electric Vehicle Battery Management System Market by Battery Type,

2021-2031, \$ mn

Table 20. France Electric Vehicle Battery Management System Market by Propulsion Type, 2021-2031, \$ mn

Table 21. France Electric Vehicle Battery Management System Market by Vehicle Type, 2021-2031, \$ mn

Table 22. Spain Electric Vehicle Battery Management System Market by Battery Type, 2021-2031, \$ mn

Table 23. Spain Electric Vehicle Battery Management System Market by Propulsion Type, 2021-2031, \$ mn

Table 24. Spain Electric Vehicle Battery Management System Market by Vehicle Type, 2021-2031, \$ mn

Table 25. Italy Electric Vehicle Battery Management System Market by Battery Type, 2021-2031, \$ mn

Table 26. Italy Electric Vehicle Battery Management System Market by Propulsion Type, 2021-2031, \$ mn

Table 27. Italy Electric Vehicle Battery Management System Market by Vehicle Type, 2021-2031, \$ mn

Table 28. Netherlands Electric Vehicle Battery Management System Market by Battery Type, 2021-2031, \$ mn

Table 29. Netherlands Electric Vehicle Battery Management System Market by Propulsion Type, 2021-2031, \$ mn

Table 30. Netherlands Electric Vehicle Battery Management System Market by Vehicle Type, 2021-2031, \$ mn

Table 31. Electric Vehicle Battery Management System Market in Rest of Europe by Country, 2021-2031, \$ mn

Table 32. Analog Devices Inc.: Company Snapshot

Table 33. Analog Devices Inc.: Business Segmentation

Table 34. Analog Devices Inc.: Product Portfolio

List Of Figures

LIST OF FIGURES

Figure 1. A Scheme of EVBMS

Figure 2. Research Method Flow Chart

Figure 3. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 4. Europe Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2021-2031

Figure 5. Industry Value Chain Analysis

Figure 6. Europe Electric Vehicle Battery Management System Market, 2021-2031, \$ mn

Figure 7. Impact of COVID-19 on Business

Figure 8. Primary Drivers and Impact Factors of Europe Electric Vehicle Battery Management System Market

Figure 9. World Electric Vehicle Market, 2019-2030, \$ bn

Figure 10. Share of GHG Emissions Covered by Countries That Have Adopted or Announced Net Zero Emission Targets

Figure 11. Cumulative Carbon Dioxide Emissions by Country, 1850-2021

Figure 12. Primary Restraints and Impact Factors of Europe Electric Vehicle Battery Management System Market

Figure 13. Investment Opportunity Analysis

Figure 14. Porter's Five Forces Analysis of Europe Electric Vehicle Battery Management System Market

Figure 15. Breakdown of Europe Electric Vehicle Battery Management System Market by Component, 2021-2031, % of Revenue

Figure 16. Europe Addressable Market Cap in 2022-2031 by Component, Value (\$ mn) and Share (%)

Figure 17. Europe Electric Vehicle Battery Management System Market by Component: Hardware, 2021-2031, \$ mn

Figure 18. Europe Electric Vehicle Battery Management System Market by Hardware: Fuel Gauge/Current Measurement Devices, 2021-2031, \$ mn

Figure 19. Europe Electric Vehicle Battery Management System Market by Hardware: Temperature Sensor, 2021-2031, \$ mn

Figure 20. Europe Electric Vehicle Battery Management System Market by Hardware: Integrated Circuits, 2021-2031, \$ mn

Figure 21. Europe Electric Vehicle Battery Management System Market by Hardware: Cutoff FETs and FET Driver, 2021-2031, \$ mn

Figure 22. Europe Electric Vehicle Battery Management System Market by Hardware:

Microcontroller, 2021-2031, \$ mn

Figure 23. Europe Electric Vehicle Battery Management System Market by Hardware:

Other Hardware, 2021-2031, \$ mn

Figure 24. Europe Electric Vehicle Battery Management System Market by Component:

Software & Services, 2021-2031, \$ mn

Figure 25. Breakdown of Europe Electric Vehicle Battery Management System Market by Product Type, 2021-2031, % of Sales Revenue

Figure 26. Europe Addressable Market Cap in 2022-2031 by Product Type, Value (\$ mn) and Share (%)

Figure 27. Europe Electric Vehicle Battery Management System Market by Product Type: Distributed BMS, 2021-2031, \$ mn

Figure 28. Europe Electric Vehicle Battery Management System Market by Product Type: Centralized BMS, 2021-2031, \$ mn

Figure 29. Europe Electric Vehicle Battery Management System Market by Product Type: Modular BMS, 2021-2031, \$ mn

Figure 30. Breakdown of Europe Electric Vehicle Battery Management System Market by Application, 2021-2031, % of Sales Revenue

Figure 31. Europe Addressable Market Cap in 2022-2031 by Application, Value (\$ mn) and Share (%)

Figure 32. Europe Electric Vehicle Battery Management System Market by Application: Voltage Monitoring, 2021-2031, \$ mn

Figure 33. Europe Electric Vehicle Battery Management System Market by Application: Thermal Management, 2021-2031, \$ mn

Figure 34. Europe Electric Vehicle Battery Management System Market by Application: Current Management, 2021-2031, \$ mn

Figure 35. Europe Electric Vehicle Battery Management System Market by Application: Charging and Discharging Control, 2021-2031, \$ mn

Figure 36. Europe Electric Vehicle Battery Management System Market by Application: Other Applications, 2021-2031, \$ mn

Figure 37. Breakdown of Europe Electric Vehicle Battery Management System Market by Battery Type, 2021-2031, % of Revenue

Figure 38. Europe Addressable Market Cap in 2022-2031 by Battery Type, Value (\$ mn) and Share (%)

Figure 39. Europe Electric Vehicle Battery Management System Market by Battery Type: Lithium Ion, 2021-2031, \$ mn

Figure 40. Europe Electric Vehicle Battery Management System Market by Battery Type: Redox Flow, 2021-2031, \$ mn

Figure 41. Europe Electric Vehicle Battery Management System Market by Battery Type: Lead Acid, 2021-2031, \$ mn

Figure 42. Europe Electric Vehicle Battery Management System Market by Battery

Type: Other Battery Types, 2021-2031, \$ mn

Figure 43. Breakdown of Europe Electric Vehicle Battery Management System Market by Propulsion Type, 2021-2031, % of Revenue

Figure 44. Europe Addressable Market Cap in 2022-2031 by Propulsion Type, Value (\$ mn) and Share (%)

Figure 45. Europe Electric Vehicle Battery Management System Market by Propulsion Type: Battery Electric Vehicles (BEVs), 2021-2031, \$ mn

Figure 46. Europe Electric Vehicle Battery Management System Market by Propulsion Type: Hybrid Electric Vehicles (HEVs), 2021-2031, \$ mn

Figure 47. Europe Electric Vehicle Battery Management System Market by Propulsion Type: Plug-in Hybrid Electric Vehicle (PHEVs), 2021-2031, \$ mn

Figure 48. Europe Electric Vehicle Battery Management System Market by Propulsion Type: Fuel Cell Electric Vehicle (FCEVs), 2021-2031, \$ mn

Figure 49. Breakdown of Europe Electric Vehicle Battery Management System Market by Vehicle Type, 2021-2031, % of Revenue

Figure 50. Europe Addressable Market Cap in 2022-2031 by Vehicle Type, Value (\$ mn) and Share (%)

Figure 51. Europe Electric Vehicle Battery Management System Market by Vehicle Type: Passenger Cars, 2021-2031, \$ mn

Figure 52. Europe Electric Vehicle Battery Management System Market by Vehicle Type: Commercial Vehicles, 2021-2031, \$ mn

Figure 53. Europe Electric Vehicle Battery Management System Market by Vehicle Type: Other Vehicles, 2021-2031, \$ mn

Figure 54. Breakdown of European Electric Vehicle Battery Management System Market by Country, 2021 and 2031, % of Revenue

Figure 55. Contribution to Europe 2022-2031 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 56. Electric Vehicle Battery Management System Market in Germany, 2021-2031, \$ mn

Figure 57. Electric Vehicle Battery Management System Market in U.K., 2021-2031, \$ mn

Figure 58. Electric Vehicle Battery Management System Market in France, 2021-2031, \$ mn

Figure 59. Electric Vehicle Battery Management System Market in Spain, 2021-2031, \$ mn

Figure 60. Electric Vehicle Battery Management System Market in Italy, 2021-2031, \$ mn

Figure 61. Electric Vehicle Battery Management System Market in Netherlands,

2021-2031, \$ mn

Figure 62. Electric Vehicle Battery Management System Market in Rest of Europe,
2021-2031, \$ mn

Figure 63. Growth Stage of Europe Electric Vehicle Battery Management System
Industry over the Forecast Period

I would like to order

Product name: Europe Electric Vehicle Battery Management System (EVBMS) Market 2021-2031 by Component (Hardware, Software & Services), Product Type (Distributed, Centralized, Modular), Application (Voltage Monitoring, Thermal Management, Current Management, Charging and Discharging Control, Others), Battery Type (Lithium Ion, Redox Flow, Lead Acid, Others), Propulsion Type (BEVs, HEVs, PHEVs, FCEVs), Vehicle Type (Passenger, Commercial), and Country: Trend Forecast and Growth Opportunity

Product link: <https://marketpublishers.com/r/ED0BA02BC619EN.html>

Price: US\$ 2,533.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/ED0BA02BC619EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970