

Battery Management System Market is Expected to Exhibit a CAGR of 18.9% during 2022-2027 | Elithion, Johnson Matthey,

SHERIDAN, WY, UNITED STATES,
November 17, 2022 /

EINPresswire.com/ -- According to the latest report by IMARC Group, titled "Battery Management System Market: Global Industry Trends, Share, Growth, Opportunity and Forecast 2022-2027," the global Battery Management market is expected to exhibit a [CAGR of 18.9%](#) during 2022-2027.

Market Overview:

Battery management system (BMS) is an electrical regulator that monitors the performance and usage of a battery. It ensures that the battery operates below the maximum voltage and current levels and collects and analyzes operational data from individual cells.

A battery management system is also used for calculating the amount of energy remaining, protecting the battery pack from getting over-charged or discharged, and continuously checking for shorts, loose connections, or breakdowns in wire insulation. As a result, it finds widespread utilization across various sectors, such as telecommunications, healthcare, [automotive](#), consumer electronics, renewable energy, etc.

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Market Trends:

The escalating requirement for electric vehicles (EVs) and hybrid electric vehicles (HEVs) across the globe, on account of the rising environmental consciousness, is among the primary factors



driving the battery management system market. Besides this, the elevating demand for these regulators in electronic automobiles to manage lithium-ion batteries for longer operational life and higher energy densities than traditional batteries is further augmenting the market growth.

Apart from this, the growing popularity of battery management solutions for power flow measurement, controlled energy production and distribution, and monitoring information on electricity usage is also catalyzing the global market. Moreover, the emerging trend of modernization in off-grid renewable power generation plants is acting as another significant growth-inducing factor. Furthermore, the increasing need for rechargeable batteries in consumer electronics and the development of innovative cloud-based techniques are anticipated to propel the battery management system market over the forecasted period.

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Competitive Landscape:

Eberspaecher Vecture
Elithion Inc.
Johnson Matthey
Leclanche
Lithium Balance
Navitas Systems LLC (East Penn Manufacturing Company)
Nuvation Engineering
NXP Semiconductor N.V.
Storage Battery Systems LLC
Valence Technology Inc.
Lithium Werks B.V.

Market Breakup by Battery Type:

Lithium-Ion Based
Lead-Acid Based
Nickel Based
Others

Market Breakup by Type:

Motive Battery
Stationary Battery

Market Breakup by Topology:

Centralized

Distributed
Modular

Market Breakup by Application:

Automotive
Electric Vehicles
E-Bikes
Golf Carts
Military and Defense
Healthcare
Consumer Electronics
Telecommunications
Renewable Energy Systems
Others

Market Breakup by Region:

North America (United States, Canada)
Europe (Germany, France, United Kingdom, Italy, Spain, Others)
Asia Pacific (China, Japan, India, Australia, Indonesia, Korea, Others)
Latin America (Brazil, Mexico, Others)
Middle East and Africa (United Arab Emirates, Saudi Arabia, Qatar, Iraq, Others)

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Key highlights of the report:

Market Performance (2016-2021)
Market Outlook (2022-2027)
Market Trends
Market Drivers and Success Factors
Impact of COVID-19
Value Chain Analysis
Comprehensive mapping of the competitive landscape

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Our offerings include comprehensive market intelligence in the form of research reports, production cost reports, feasibility studies, and consulting services. Our team, which includes experienced researchers and analysts from various industries, is dedicated to providing high-quality data and insights to our clientele, ranging from small and medium businesses to Fortune 1000 corporations.

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