

Global Battery Management IC 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 Battery Management IC market size was valued at USD 8231.8 million in 2023 and is forecast to a readjusted size of USD 10070 million by 2030 with a CAGR of 2.9% during review period.

Battery Management ICs includes Battery monitoring fuel gauge ICs and Battery chargers. Battery monitoring fuel gauge ICs combining a small footprint with outstanding measurement accuracy (voltage, current and temperature) and extremely low power consumption to increase battery runtime and lifespan in mobile phones, multimedia players, digital cameras, and other space-constrained portable devices. Battery chargers that offer charge currents from as little as 200 mA up to 1.2 A and that can be used for any rechargeable chemistry lithium-ion battery.

The increasing popularity of electric vehicles is one of the primary drivers for market growth. Improvements in battery technologies have led to recent modernizations in the automotive industry and the development of new-age electric and hybrid electric vehicles. The significant growth in demand for electric vehicles has prompted many automobile manufacturers to invest money in the market, in turn, fueling the demand for electric vehicle batteries. APAC led the global battery management IC market during 2016 and is expected to continue the lead over the following year. This mainly attributed to a rise in applications using battery management ICs mainly in the wearable electronics and automotive sectors.

The Global Info Research report includes an overview of the development of the Battery Management IC industry chain, the market status of Automotive (Fuel Gauge IC, Battery Charger IC), Military (Fuel Gauge IC, Battery Charger IC), and key enterprises

in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Battery Management IC.

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

Key Features:

The report presents comprehensive understanding of the Battery Management IC 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 Battery Management IC 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., Fuel Gauge IC, Battery Charger IC).

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 Battery Management IC market.

Regional Analysis: The report involves examining the Battery Management IC 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 Battery Management IC market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Battery Management IC:

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

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Battery Management IC 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

Battery Management IC 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

Fuel Gauge IC

Battery Charger IC

Authentication IC

Market segment by Application

Automotive

Military

Medical

Portable Device

Telecommunication

Renewable Energy System

Uninterrupted Power Supply (UPS)

Others

Major players covered

Analog Devices

Maxim Integrated

Microchip Technology

NXP Semiconductors

Renesas Electronics

Richtek Technology

ROHM Semiconductor

Semtech

STMicroelectronics

Texas Instruments

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

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

Chapter 3, the Battery Management IC competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Battery Management IC 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 Battery Management IC 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 Battery Management IC.

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

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