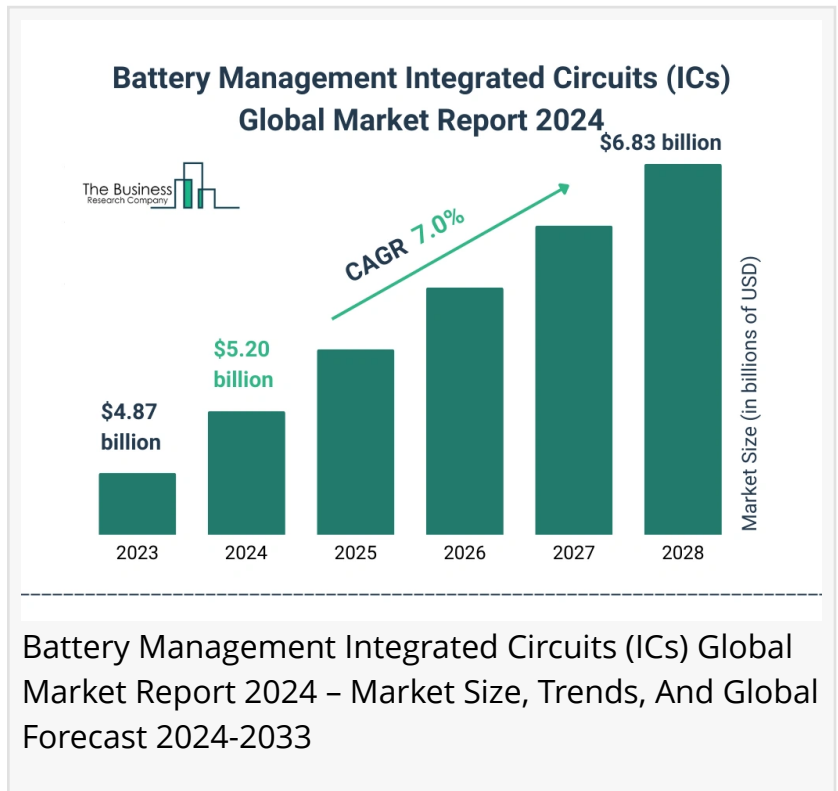


# Battery Management Integrated Circuits (ICs) Market Segments, Drivers, Restraints, And Trends For 2024-2033

*The Business Research Company's Battery Management Integrated Circuits (ICs) Global Market Report 2024 – Market Size, Trends, And Global Forecast 2024-2033*

LANDON, GREATER LONDON, UNITED KINGDOM, September 17, 2024 /EINPresswire.com/ -- The battery management integrated circuits (ICs) market has experienced robust growth in recent years, expanding from \$4.87 billion in 2023 to \$5.20 billion in 2024 at a compound annual growth rate (CAGR) of 6.8%. The growth in the historic period can be attributed to rise in demand for portable electronics, growth of the electric vehicle industry, rise in the need for efficient battery utilization, surge in the miniaturization of electronic devices, and increase in regulatory mandates for energy efficiency.



What Is The Estimated Market Size Of The Global Battery Management Integrated Circuits (ICs) Market And Its Annual Growth Rate?



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The battery management integrated circuits (ICs) market is projected to continue its strong growth, reaching \$6.83 billion in 2028 at a compound annual growth rate (CAGR) of 7.0%. The growth in the forecast period can be attributed to rising adoption of electric vehicles, growing demand for portable consumer electronics, increasing emphasis on renewable energy storage, expanding IoT applications, increasing stringent safety regulations, and

increasing need for efficient power management solutions.

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Growth Driver Of The Battery Management Integrated Circuits (ICs) Market

The rising demand for electric vehicles is expected to propel the growth of the battery management integrated circuit (IC) market going forward. Electric vehicles (EVs) are automobiles powered entirely or primarily by electric motors, which use electrical energy stored in batteries or other energy storage devices. The rising demand for electric vehicles is attributed to technological advancements, environmental concerns, economic benefits, government incentives, safety improvements, consumer demand, and infrastructure development. Battery management ICs help electric vehicles by optimizing battery performance, ensuring safe charging and discharging, balancing cell charge levels, and providing critical data on battery health and state of charge.

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Which Market Players Are Steering The Battery Management Integrated Circuits (ICs) Market Growth?

Key players in the battery management integrated circuits (ICs) market include Samsung Electronics Co. Ltd., Panasonic Holdings Corporation, Qualcomm Incorporated, Toshiba Corporation, Texas Instruments Incorporated, STMicroelectronics N.V., Infineon Technologies AG, NXP Semiconductors NV, Analog Devices Inc., Renesas Electronics Corporation, ON Semiconductor Corporation, Microchip Technology Incorporated, Skyworks Solutions Inc., Qorvo Inc., ROHM Co. Ltd., ams OSRAM AG, Nisshinbo Micro Devices Inc., Diodes Incorporated, Monolithic Power Systems Inc., Semtech Corporation, Torex Semiconductor Ltd., Ablic Inc., Dialog Semiconductor Plc, Eutech Microelectronics Inc., Richtek Technology Corporation.

What Are The Key Trends That Influence Battery Management Integrated Circuits (ICs) Market Share And Analysis?

Major companies operating in the battery management integrated circuit (IC) market are developing innovative products such as integrated fuel gauges to enhance the accuracy and efficiency of battery monitoring systems, optimize energy usage, and extend the lifespan of batteries in various applications. An integrated fuel gauge in a management integrated circuit (IC) is a component that monitors and displays the charge level or remaining capacity of a battery. It provides real-time information about the battery's state, helping to manage its usage efficiently and prevent overcharging or deep discharging.

How Is The Global Battery Management Integrated Circuits (ICs) Market Segmented?

- 1) By Integrated Circuit (IC) Type: Battery Integrated Circuits (ICs), Battery Authentication Integrated Circuits (ICs), Battery Fuel Gauge Integrated Circuits (ICs), Battery Protector Integrated Circuits (ICs)
- 2) By Battery Type: Lithium-ion-based, Lead-acid-based, Nickel-based, Flow Batteries, Other Batteries
- 3) By Application: Automotive, Industrial Equipment, Medical Devices, Consumer Electronics, Other Applications

Geographical Insights: Asia-Pacific Leading The Battery Management Integrated Circuits (ICs) Market

Asia-Pacific was the largest region in the battery management integrated circuits (ICs) market in 2023. The regions covered in the battery management integrated circuits (ICs) market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

Battery Management Integrated Circuits (ICs) Market Definition

A battery management integrated circuit (IC) is a specialized electronic circuit designed to monitor and control the charging and discharging of batteries, ensuring their safe and efficient operation. It includes battery protection, state of charge (SoC) estimation, cell balancing, and temperature monitoring. Battery management integrated circuits enhance battery performance, longevity, and safety.

[Battery Management Integrated Circuits \(ICs\) Global Market Report 2024](#) from TBRC covers the following information:

- Market size data for the forecast period: Historical and Future
- Macroeconomic factors affecting the market in the short and long run
- Analysis of the macro and micro economic factors that have affected the market in the past five years
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

An overview of the global battery management integrated circuits (ICs) market report covering trends, opportunities, strategies, and more

[The Battery Management Integrated Circuits \(ICs\) Global Market Report 2024](#) by The Business Research Company is the most comprehensive report that provides insights on battery management integrated circuits (ICs) market size, battery management integrated circuits (ICs) market drivers and trends, battery management integrated circuits (ICs) market major players, battery management integrated circuits (ICs) competitors' revenues, battery management integrated circuits (ICs) market positioning, and battery management integrated circuits (ICs) market growth across geographies. The battery management integrated circuits (ICs) market

report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

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