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Global Automotive Li-ion Battery Protection IC Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G723DF4520B6EN.html
Date: August 2026
Pages: 134
Price: US$ 3,480.00 (Single User License)
ID: G723DF4520B6EN

Abstracts

According to our (Global Info Research) latest study, the global Automotive Li-ion Battery Protection IC market size was valued at US$ million in 2025 and is forecast to a readjusted size of US$ million by 2032 with a CAGR of %during review period.

The Automotive Li-ion Battery Protection IC is a safety protection circuit specially designed for automotive lithium-ion batteries or lithium polymer batteries. This integrated circuit is mainly used to monitor battery voltage, current, temperature and other parameters to ensure that the battery operates within a safe operating range and prevent damage or potential safety risks caused by overcharging, over-discharging, overcurrent, short circuit and over-temperature. The built-in circuit monitors the battery status and cuts off the battery charge and discharge circuit when an abnormality is detected to protect the battery from damage and prevent potential safety accidents.

This report is a detailed and comprehensive analysis for global Automotive Li-ion Battery Protection IC market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Automotive Li-ion Battery Protection IC market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices

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(US$/Unit), 2021-2032

Global Automotive Li-ion Battery Protection IC market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Automotive Li-ion Battery Protection IC market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Automotive Li-ion Battery Protection IC market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automotive Li-ion Battery Protection IC

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automotive Li-ion Battery Protection IC market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Microchip Technology, NXP Semiconductors, Texas Instruments, MinebeaMitsumi, STMicroelectronics, Infineon Technologies, ROHM, Diodes Incorporated, Exide Industries, Renesas Electronics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Automotive Li-ion Battery Protection IC market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and

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forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single Cell

Multi-cell

Market segment by Application

Rechargeable Lithium-Ion Batteries

Lithium Polymer Batteries

Others

Major players covered

Microchip Technology

NXP Semiconductors

Texas Instruments

MinebeaMitsumi

STMicroelectronics

Infineon Technologies

ROHM

Diodes Incorporated

Exide Industries

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Renesas Electronics

Analog Devices

Littelfuse

Murata Manufacturing

Seiko Instruments

Silergy Corp

Nuvoton Technology

Nexperia

Shanghai Southchip Semiconductor Technology

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 Li-ion Battery Protection IC product scope, market overview, market estimation caveats and base year.

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Chapter 2, to profile the top manufacturers of Automotive Li-ion Battery Protection IC, with price, sales quantity, revenue, and global market share of Automotive Li-ion Battery Protection IC from 2021 to 2026.

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

Chapter 4, the Automotive Li-ion Battery Protection IC breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026.and Automotive Li-ion Battery Protection IC market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Li-ion Battery Protection IC.

Chapter 14 and 15, to describe Automotive Li-ion Battery Protection IC sales channel, distributors, customers, research findings and conclusion.

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