

Global Hall Current Sensor for New Energy Vehicles Market Growth 2026-2032

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Abstracts

The global Hall Current Sensor for New Energy Vehicles market size is predicted to grow from US\$ 1452 million in 2025 to US\$ 2495 million in 2032; it is expected to grow at a CAGR of 8.2% from 2026 to 2032.

Hall Current Sensor is widely used in automobiles as an important part of the electric vehicle control system. It measures the current produced by the motor to control the speed and direction of the motor. By placing the Hall Effect Sensor in the circuit, the magnitude and direction of the current can be monitored and converted into a voltage output, which can be processed in the controller to adjust the behavior of the motor. Hall Effect Sensors are used in automobiles for many applications such as power windows, power seats, automatic climate control and braking systems. In addition to their use in automotive control systems, Hall Effect Sensors can also be used to measure magnetic fields, electric fields, and temperature, making them useful in many other application areas.

Overall, the Hall current sensor market for new energy vehicles plays a crucial role in enabling accurate measurement and monitoring of electrical currents in NEV systems. As the demand for electric and hybrid vehicles continues to grow, the market for Hall current sensors is expected to expand. Manufacturers in this market focus on providing reliable, precise, and compact solutions to meet the specific current sensing needs of the automotive industry.

LP Information, Inc. (LPI) ' newest research report, the "Hall Current Sensor for New Energy Vehicles Industry Forecast" looks at past sales and reviews total world Hall Current Sensor for New Energy Vehicles sales in 2025, providing a comprehensive analysis by region and market sector of projected Hall Current Sensor for New Energy

Vehicles sales for 2026 through 2032. With Hall Current Sensor for New Energy Vehicles sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Hall Current Sensor for New Energy Vehicles industry.

This Insight Report provides a comprehensive analysis of the global Hall Current Sensor for New Energy Vehicles landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Hall Current Sensor for New Energy Vehicles portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Hall Current Sensor for New Energy Vehicles market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Hall Current Sensor for New Energy Vehicles and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Hall Current Sensor for New Energy Vehicles.

This report presents a comprehensive overview, market shares, and growth opportunities of Hall Current Sensor for New Energy Vehicles market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Open-loop Hall Current Sensor

Closed-loop Hall Current Sensor

Segmentation by Application:

Electric Vehicle

Hydrogen-powered Vehicles

Solar Vehicle

Alternative Energy (Natural Gas, Rthanol, etc.) Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

LEM Holding SA

Allegro Microsystems, LLC

Melexis NV

TDK Micronas

Honeywell International Inc.

Honeywell

Robert Bosch GmbH

DENSO

Continental

Kohshin Electric Corporation

Infineon

Nicera

BYD

CRRC

Sinomags

ABB

Asahi Kasei Microdevices Corporation

Key Questions Addressed in this Report

What is the 10-year outlook for the global Hall Current Sensor for New Energy Vehicles market?

What factors are driving Hall Current Sensor for New Energy Vehicles market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Hall Current Sensor for New Energy Vehicles market opportunities vary by end market size?

How does Hall Current Sensor for New Energy Vehicles break out by Type, by Application?

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