

# Global Electric Vehicle Current Sensors Market Growth 2022-2028

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## Abstracts

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A current sensor is a sensor that will measure the intensity of the current flowing in electrical conductors. Hybrid electric vehicles (HEV) and electric vehicles (EV) continue to gain share in the overall global automotive market. The battery management system (BMS) for these vehicles carries out the important tasks of keeping the battery operating inside the safe operating area (SOA), monitoring power distribution, and keeping track of the state of charge (SoC). When the battery is the main source of energy for systems in HEVs/EVs, it is essential to have information about its charging and discharging cycles. Current sensors are the main source of information for charging and discharging cycle information by reporting the status of battery SOH to the battery management system. They may be located onboard or externally. For a typical battery, current sensors measure the current flowing into (when charging) or out of (when discharging) the battery.

The global market for Electric Vehicle Current Sensors is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Electric Vehicle Current Sensors market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Electric Vehicle Current Sensors market is expected at value of US\$

million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Electric Vehicle Current Sensors market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Electric Vehicle Current Sensors market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Electric Vehicle Current Sensors players cover LEM Holding SA, Allegro Microsystems, LLC, Melexis NV, TDK Micronas and Honeywell International Inc., etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

## Report Coverage

This latest report provides a deep insight into the global Electric Vehicle Current Sensors market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Electric Vehicle Current Sensors market, with both quantitative and qualitative data, to help readers understand how the Electric Vehicle Current Sensors market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in M Units.

## Market Segmentation:

The study segments the Electric Vehicle Current Sensors market and forecasts the market size by Type (Hall Based Current Sensor, Shunt Based Current Sensor and Others), by Application (BEV, HEVs and PHEVs.), and region (APAC, Americas, Europe, and Middle East & Africa).

## Segmentation by type

### Hall Based Current Sensor

Shunt Based Current Sensor

Others

### Segmentation by application

BEV

HEVs

PHEVs

### Segmentation 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

## Major companies covered

LEM Holding SA

Allegro Microsystems, LLC

Melexis NV

TDK Micronas

Honeywell International Inc.

Robert Bosch GmbH

DENSO

Continental

Kohshin Electric Corporation

Infineon

Nicera

BYD

CRRC

Sinomags Electrical

## Chapter Introduction

Chapter 1: Scope of Electric Vehicle Current Sensors, Research Methodology, etc.

Chapter 2: Executive Summary, global Electric Vehicle Current Sensors market size (sales and revenue) and CAGR, Electric Vehicle Current Sensors market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Electric Vehicle Current Sensors sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Electric Vehicle Current Sensors sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Electric Vehicle Current Sensors market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including LEM Holding SA, Allegro Microsystems, LLC, Melexis NV, TDK Micronas, Honeywell International Inc., Robert Bosch GmbH, DENSO, Continental and Kohshin Electric Corporation, etc.

Chapter 14: Research Findings and Conclusion

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