

Global EV Amp Gauges Market Growth 2026-2032

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Abstracts

The global EV Amp Gauges market size is predicted to grow from US\$ 1174 million in 2025 to US\$ 2032 million in 2032; it is expected to grow at a CAGR of 8.2% from 2026 to 2032.

In 2025, global EV Amp Gauge output reached about 80 million units and global capacity of around 100 million units. The average price is about USD 15 per unit, with gross margins near 35%. EV Amp Gauges are electronic current-monitoring instruments used in electric vehicles (EVs) to measure, display, and manage the flow of electrical current within battery systems, charging circuits, power distribution units, inverters, DC-DC converters, and auxiliary electrical subsystems. These gauges provide real-time ampere readings to support battery management, energy efficiency optimization, fault diagnosis, overload protection, and vehicle performance monitoring. Modern EV amp gauges typically integrate current sensors such as Hall-effect sensors, shunt resistors, magnetic current transducers, or smart power-monitoring ICs with digital displays, CAN bus communication modules, and embedded control software. The supply chain of EV Amp Gauges begins upstream with semiconductor materials, copper alloys, magnetic cores, PCB substrates, display panels, and sensing components supplied by electronics and sensor manufacturers. Midstream activities involve the design and manufacturing of current sensors, gauge modules, display systems, embedded firmware, and automotive-grade electronic assemblies by automotive electronics companies and instrumentation suppliers. Downstream, EV amp gauges are integrated into battery electric vehicles (BEVs), plug-in hybrid electric vehicles (PHEVs), commercial EV fleets, electric buses, charging infrastructure equipment, energy storage systems, and aftermarket vehicle monitoring solutions by automotive OEMs, EV system integrators, and charging equipment manufacturers.

United States market for EV Amp Gauges is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for EV Amp Gauges is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for EV Amp Gauges is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key EV Amp Gauges players cover LEM Holding, Allegro MicroSystems, Infineon Technologies, Texas Instruments, Honeywell, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "EV Amp Gauges Industry Forecast" looks at past sales and reviews total world EV Amp Gauges sales in 2025, providing a comprehensive analysis by region and market sector of projected EV Amp Gauges sales for 2026 through 2032. With EV Amp Gauges sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world EV Amp Gauges industry.

This Insight Report provides a comprehensive analysis of the global EV Amp Gauges 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 EV Amp Gauges portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global EV Amp Gauges market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for EV Amp Gauges 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 EV Amp Gauges.

This report presents a comprehensive overview, market shares, and growth opportunities of EV Amp Gauges market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Hall-Effect EV Amp Gauges

Shunt-Based EV Amp Gauges

Fluxgate EV Amp Gauges

Others

Segmentation by Measurement Range:

600 A

Segmentation by Application:

Battery Electric Vehicles (BEVs)

Plug-in Hybrid Electric Vehicles (PHEVs)

Hybrid Electric Vehicles (HEVs)

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

Allegro MicroSystems

Infineon Technologies

Texas Instruments

Honeywell

TDK Corporation

STMicroelectronics

onsemi

NXP Semiconductors

Analog Devices

ROHM Semiconductor

Tamura

ABB Group

Eaton

Mitsubishi Electric

Hangzhi Precision

Socan Technologies

Acrel Electric

Key Questions Addressed in this Report

What is the 10-year outlook for the global EV Amp Gauges market?

What factors are driving EV Amp Gauges market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do EV Amp Gauges market opportunities vary by end market size?
How does EV Amp Gauges break out by Type, by Application?

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