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Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Market Growth 2025-2031

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Abstracts

The global Automotive Power Electronics in Energy-Saving and New Energy Vehicles market size is predicted to grow from US$ million in 2025 to US$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Automotive power electronics in energy-saving and new energy vehicles includes diode, silicon controlled rectifier (SCR), thyristor, gate cut-off thyristor, TRIAC, bipolar junction transistor (BJT), power MOSFET and other solid-state devices.The application of power electronics in energy saving and new energy vehicles plays an important role in controlling automobile electronics.Automotive electronics include modern electric power steering, HEV main inverter, central body control, braking system, seat control, etc.

United States market for Automotive Power Electronics in Energy-Saving and New Energy Vehicles is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Automotive Power Electronics in Energy-Saving and New Energy Vehicles is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Automotive Power Electronics in Energy-Saving and New Energy Vehicles is estimated to increase from US$ million in 2024 to US$ million by 2031, at a

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CAGR of % from 2025 through 2031.

Global key Automotive Power Electronics in Energy-Saving and New Energy Vehicles players cover Continental, Mitsubishi Electric, Texas Instruments, Robert Bosch, Toshiba Corp, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Automotive Power Electronics in Energy-Saving and New Energy Vehicles Industry Forecast” looks at past sales and reviews total world Automotive Power Electronics in Energy-Saving and New Energy Vehicles sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive Power Electronics in Energy-Saving and New Energy Vehicles sales for 2025 through 2031. With Automotive Power Electronics in Energy-Saving and 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 Automotive Power Electronics in Energy-Saving and New Energy Vehicles industry.

This Insight Report provides a comprehensive analysis of the global Automotive Power Electronics in Energy-Saving and 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 Automotive Power Electronics in Energy-Saving and 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 Automotive Power Electronics in Energy-Saving and New Energy Vehicles market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Power Electronics in Energy-Saving and 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 Automotive Power Electronics in Energy-Saving and New Energy Vehicles.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Power Electronics in Energy-Saving and New Energy Vehicles market by product type, application, key manufacturers and key regions and

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countries.

Segmentation by Type:

MCUs

Sensors

Power ICs

Segmentation by Application:

Hybrid Vehicle

Pure Electric Vehicle

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

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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.

Continental

Mitsubishi Electric

Texas Instruments

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Robert Bosch

Toshiba Corp

ON Semiconductor

Infineon Technologies

Maxim Products

NXP Semiconductors

Qualcomm

ACTIA Group

STMicroelectronics

Renesas Electronics Corp

Vishay Intertechnology

Fuji Electric

International Rectifier

BYD

Delphi

Delta Electronics

Denso

Semikron

Meidensha

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JEE Automation

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Power Electronics in Energy-Saving and New Energy Vehicles market?

What factors are driving Automotive Power Electronics in Energy-Saving and New Energy Vehicles market growth, globally and by region?

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

How do Automotive Power Electronics in Energy-Saving and New Energy Vehicles market opportunities vary by end market size?

How does Automotive Power Electronics in Energy-Saving and New Energy Vehicles break out by Type, by Application?

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Vehicles Sales Market Share Forecast by Application (2026-2031)
Figure 81. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share Forecast by Application (2026-2031)

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