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Global Electric Water Pump for New Energy Vehicles Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Electric Water Pump for New Energy Vehicles market size was valued at US$ 2008 million in 2024 and is forecast to a readjusted size of USD 6801 million by 2031 with a CAGR of 17.9% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Water pumps are mainly used in the main cooling system of internal combustion engines, turbocharger cooling circuits and intake intercooling systems, and are also used in the drive system and power battery thermal management system of new energy vehicles. The water pumps in electric vehicles are generally electronic water pumps (also known as 'electric water pumps'), which are mainly used for circulating cooling of drive motors, electric components, power batteries, etc.

Compared with mechanical water pumps used in thermal management of traditional fuel vehicles, the core components of the thermal management system of new energy vehicles represented by electronic water pumps are mainly used for circulating cooling of drive motors, electric components, power batteries, etc., and the usage and value of each vehicle have increased by 2-3 times. For new energy vehicles, electronic water pumps can also improve energy utilization efficiency, that is, the motor speed is flexibly adjusted according to the needs of the cooling system, and the circulation speed of the coolant is automatically adjusted under different operating conditions of the vehicle to avoid unnecessary energy consumption, which will increase the vehicle's cruising range

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to a certain extent.

From a product perspective, electronic water pumps have become the mainstream choice for new energy vehicles due to their long service life, small size, high precision, low energy consumption, high reliability, compact structure, and strong sealing. They are expected to replace the mechanical water pumps of traditional fuel vehicles in the future.

Electric water pumps are evolving from simple coolant circulators to intelligent, integrated components central to EV performance and sustainability. Future trends emphasize smart control, material innovation, and system integration, driven by demands for energy efficiency, reliability, and adaptability across diverse vehicle segments. As EVs scale globally, EWPs will play a pivotal role in enabling next-gen technologies like ultra-fast charging, autonomous driving, and zero-emission mobility.

In terms of product type and technology, the Electric Water Pump for New Energy Vehicles mainly include 12V Electric Water Pump, 24V Electric Water Pump, and Others. 12V Electric Water Pump is a relatively popular and widely used for Electric Vehicles, 12V Electric Water Pump accounting for 58.11% of the Electric Water Pump for New Energy Vehicles global market in 2024. The Electric Water Pump for New Energy Vehicles market will bifurcate into low-voltage (12V/24V) for niche/auxiliary uses and high-voltage systems for mainstream EVs, with innovation focused on smart controls, material science, and integration with next-gen thermal management architectures. Suppliers like Bosch, Rheinmetall, and Nidec will lead in developing voltage-agnostic, modular solutions to cater to diverse global markets.

From the perspective of product market applications, Electric Water Pump for New Energy Vehicles mainly include BEV. In 2024, BEV accounted for 69.44% of the total market, Battery Electric Vehicles (BEVs) segment is altered to a 22.16% CAGR throughout this forecast period and will hold a share about 77.27% in 2028. The Electric Water Pump for New Energy Vehicles market will bifurcate, with BEVs driving cutting-edge advancements (high-voltage, smart systems) and PHEVs sustaining demand for hybrid-optimized pumps. Sustainability, connectivity, and regional regulatory shifts will shape both segments, but BEVs will lead long-term growth as global electrification accelerates.

At present, major global main manufacturers of Electric Water Pump for New Energy Vehicles include Bosch, GMB, Continental, Valeo, Hanon Systems, Aisin, Rheinmetall Automotive, Gates, MAHLE, Buehler Motor, SANHUA Automotive, Feilong Auto

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Components, Jiangsu Leili Motor, Yinlun, etc. In 2024, the global three largest players have a share approximately 32% in terms of revenue. It is expected that industry competition will become more intense in the next few years, especially in the Chinese market.

This report is a detailed and comprehensive analysis for global Electric Water Pump for New Energy Vehicles 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 Electric Water Pump for New Energy Vehicles market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Electric Water Pump for New Energy Vehicles market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Electric Water Pump for New Energy Vehicles market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Electric Water Pump for New Energy Vehicles market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2020-2025

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 Electric Water Pump for New Energy Vehicles
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 Electric Water Pump for New Energy

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Vehicles 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 Bosch, GMB, Continental, Valeo, Hanon Systems, Aisin, Rheinmetall Automotive, Gates, MAHLE, Buehler Motor, etc.

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

Market Segmentation

Electric Water Pump for New Energy Vehicles market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and 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

12V Electric Water Pump

24V Electric Water Pump

Others

Market segment by Application

Battery Electric Vehicles (BEVs)

Plug-in Hybrid Electric Vehicles (PHEVs)

Others

Major players covered

Bosch

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GMB

Continental

Valeo

Hanon Systems

Aisin

Rheinmetall Automotive

Gates

MAHLE

Buehler Motor

FinDreams (BYD)

VISU

SANHUA Automotive

Feilong Auto Components

Tuopu Group

Huahui Enterprise

Jiangsu Leili Motor

Yinlun

Shenpeng Electronics

Southeast Electric

Fawer Automotive Parts

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Johnson Electric

Xiang Oil Pump

Wuxi Huishan Pump

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 Electric Water Pump for New Energy Vehicles product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Electric Water Pump for New Energy Vehicles, with price, sales quantity, revenue, and global market share of Electric Water Pump for New Energy Vehicles from 2020 to 2025.

Chapter 3, the Electric Water Pump for New Energy Vehicles competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Electric Water Pump for New Energy Vehicles breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020

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to 2025.and Electric Water Pump for New Energy Vehicles market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Electric Water Pump for New Energy Vehicles.

Chapter 14 and 15, to describe Electric Water Pump for New Energy Vehicles sales channel, distributors, customers, research findings and conclusion.

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Figure 85. Research Process and Data Source

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