

Global Electric Vehicle Electronic Expansion Valve (EXV) Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Electric Vehicle Electronic Expansion Valve (EXV) market size will reach 689.09 Million USD in 2025 and is projected to reach 2,577.71 Million USD by 2032, with a CAGR of 20.74% (2025-2032). Notably, the China Electric Vehicle Electronic Expansion Valve (EXV) market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

An Electric Vehicle Electronic Expansion Valve (EXV) is a crucial component in the thermal management system of electric vehicles (EVs) responsible for controlling the flow of refrigerant in the air conditioning and heat pump systems. It is an electronically controlled valve that precisely regulates the flow of refrigerant, allowing for efficient cooling and heating within the vehicle's cabin. By modulating the refrigerant flow, the EXV helps maintain the desired temperature, improves energy efficiency, and reduces power consumption, which is especially important in EVs where energy conservation is a key concern for maximizing driving range. This electronic valve is a critical part of the EV's climate control system, ensuring passenger comfort while optimizing the vehicle's energy usage.

The major global manufacturers of Electric Vehicle Electronic Expansion Valve (EXV) include Zhejiang Sanhua Automotive Components, TGK, Zhejiang Dun'an Artificial Environment, HANON, Fujikoki, XINJING, Ningbo Tuopu, etc. The global players

competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Electric Vehicle Electronic Expansion Valve (EXV). Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Electric Vehicle Electronic Expansion Valve (EXV) market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Electric Vehicle Electronic Expansion Valve (EXV) market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Electric Vehicle Electronic Expansion Valve (EXV) industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Electric Vehicle Electronic Expansion Valve (EXV) Include:

Zhejiang Sanhua Automotive Components

TGK

Zhejiang Dun'an Artificial Environment

HANON

Fujikoki

XINJING

Ningbo Tuopu

Electric Vehicle Electronic Expansion Valve (EXV) Product Segment Include:

EXV for Air Conditioning Thermal Management

EXV for Battery Thermal Management

Electric Vehicle Electronic Expansion Valve (EXV) Product Application Include:

BEV

HEV and PHEV

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