

# Global Electric Vehicle Electronic Expansion Valve (EXV) Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Electric Vehicle Electronic Expansion Valve (EXV) market size is expected to reach \$ 2206 million by 2032, rising at a market growth of 17.4% CAGR during the forecast period (2026-2032).

The electronic expansion valve is composed of a controller, an actuator and a sensor. Since the temperature sensing part of the electronic expansion valve is a thermocouple or thermal resistance, it can accurately reflect the change of superheat at low temperature and provide more accurate flow adjustment. At the same time, the electronic expansion valve has a large flow control range, sensitive response, and rapid action. The fine adjustment makes up for the shortcomings that the capillary tube and the thermal expansion valve cannot be adjusted, and is more suitable for the electronic and thermal management control of electric vehicles. In 2025, global production of Electric Vehicle Electronic Expansion Valve (EXV) reached 30.74 million units, with an average selling price of USD 20.5 per unit.

Global key players of Electric Vehicle Electronic Expansion Valve (EXV) include Zhejiang Sanhua Automotive Components, Zhejiang Dun'an Artificial Environment, TGK, HANON, XINJING, etc. The top five players hold a share about 93%. China is the world's largest market for Electric Vehicle Electronic Expansion Valve (EXV) and holds a share about 58%, followed by Europe and North America, with share about 25% and 14%, separately. In terms of product type, EXV for Air Conditioning Thermal Management is the largest segment, accounting for a share about 69%. In terms of application, BEV is the largest field with a share about 73 percent.

This report studies the global Electric Vehicle Electronic Expansion Valve (EXV) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Electric Vehicle Electronic Expansion Valve (EXV) and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Electric Vehicle Electronic Expansion Valve (EXV) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Electric Vehicle Electronic Expansion Valve (EXV) total production and demand, 2021-2032, (K Units)

Global Electric Vehicle Electronic Expansion Valve (EXV) total production value, 2021-2032, (USD Million)

Global Electric Vehicle Electronic Expansion Valve (EXV) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Electric Vehicle Electronic Expansion Valve (EXV) consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Electric Vehicle Electronic Expansion Valve (EXV) domestic production, consumption, key domestic manufacturers and share

Global Electric Vehicle Electronic Expansion Valve (EXV) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Electric Vehicle Electronic Expansion Valve (EXV) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Electric Vehicle Electronic Expansion Valve (EXV) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Electric Vehicle Electronic Expansion Valve (EXV) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Zhejiang Sanhua Automotive Components, TGK, Zhejiang Dun'an Artificial Environment, HANON, Egelhof, Fujikoki, Schrader Pacific Advanced Valves (Pacific Industrial), XINJING, Hilite International, Ningbo Tuopu, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Electric Vehicle Electronic Expansion Valve (EXV) market

## Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

## Global Electric Vehicle Electronic Expansion Valve (EXV) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Electric Vehicle Electronic Expansion Valve (EXV) Market, Segmentation by Type:

EXV for Air Conditioning Thermal Management

EXV for Battery Thermal Management

## Global Electric Vehicle Electronic Expansion Valve (EXV) Market, Segmentation by Driving Method:

Electromagnetic Type

Electro-electric Type

Global Electric Vehicle Electronic Expansion Valve (EXV) Market, Segmentation by Control Method:

LIN Control

PWM Control

Global Electric Vehicle Electronic Expansion Valve (EXV) Market, Segmentation by Application:

BEV

PHEV

Companies Profiled:

Zhejiang Sanhua Automotive Components

TGK

Zhejiang Dun'an Artificial Environment

HANON

Egelhof

Fujikoki

Schrader Pacific Advanced Valves (Pacific Industrial)

XINJING

Hilite International

Ningbo Tuopu

Key Questions Answered:

1. How big is the global Electric Vehicle Electronic Expansion Valve (EXV) market?
2. What is the demand of the global Electric Vehicle Electronic Expansion Valve (EXV) market?
3. What is the year over year growth of the global Electric Vehicle Electronic Expansion Valve (EXV) market?
4. What is the production and production value of the global Electric Vehicle Electronic Expansion Valve (EXV) market?
5. Who are the key producers in the global Electric Vehicle Electronic Expansion Valve (EXV) market?
6. What are the growth factors driving the market demand?

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