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Global EV-Charging Connectors and Sockets Market Growth 2026-2032

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Abstracts

The global EV-Charging Connectors and Sockets market size is predicted to grow from US$ 1379 million in 2025 to US$ 3284 million in 2032; it is expected to grow at a CAGR of 13.4% from 2026 to 2032.

Electric vehicle charging connectors and sockets are key interface components for enabling power transmission, signal interaction, and safety protection between new energy vehicles and charging infrastructure. They consist of two complementary parts: charging connectors and charging sockets. Through standardized physical structures and electrical interfaces, they achieve safe and efficient transmission of AC/DC power. They also integrate communication and protection functions such as CC (connection confirmation), CP (control guidance), and PE (protective grounding), supporting fault detection and automatic power-off mechanisms for overcurrent, overvoltage, overheating, and leakage. They serve as the ?physical gateway? of the electric vehicle charging system.

In 2025, the global production of electric vehicle charging connectors and sockets was 11.75 million units, with an average price of US$120 per unit.

Upstream of EV charging connectors and sockets mainly includes high-conductivity copper alloys and silver-plated materials, engineering plastics and insulation materials, spring contacts and elastic elements, sealing components, fasteners, and injection molding and precision machining inputs, with high requirements for heat resistance, wear resistance, electrical reliability, and consistency. Downstream represents the core of demand and value, serving EV OEMs, charging station and equipment manufacturers, charging network operators, and the aftermarket and maintenance sector, covering both vehicle-side sockets and charger-side connectors for AC and DC

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charging. Downstream customers emphasize electrical and mechanical safety, long mating cycle life, high-current and high-power capability, standard compatibility and certification, ease of installation and maintenance, and overall cost, with platform-based selection, standardized interfaces, and large-scale procurement being common. Industry trends point to higher power and faster charging capability, increasing adoption of liquid-cooled connectors and high-temperature materials, gradual convergence of interface and communication standards, and continuous optimization of structure and materials to achieve miniaturization, lightweight design, and higher reliability. Key drivers include the expanding EV fleet, rapid build-out of fast and ultra-fast charging infrastructure, rising OEM focus on charging efficiency and user experience, and strong policy support and infrastructure investment. Major constraints include regional standard fragmentation increasing design and certification complexity, volatility in raw material prices, intense price competition, and stringent zero-defect requirements for safety and quality. Overall gross margins for EV charging connectors and sockets are moderate, typically ranging from 25% to 40%. Manufacturers with strong materials and structural design capabilities, certifications for mainstream standards, mature quality systems, and deep partnerships with OEMs and leading charging equipment suppliers achieve higher margins, while vendors competing mainly on commoditized products face notable margin pressure.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for EV-Charging Connectors and Sockets and breaks down

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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-Charging Connectors and Sockets.

This report presents a comprehensive overview, market shares, and growth opportunities of EV-Charging Connectors and Sockets market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

AC

DC

Segmentation by Cooling Method:

Natural Cooling

Air Cooling

Liquid Cooling

Segmentation by Standard:

GB/T

CCS

CHAdeMO

NACS

J1772

Type 1

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Type 2

Segmentation by Application:

New Energy Passenger Vehicles

New Energy Commercial Vehicles

Special Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

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- Europe
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  - 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.

- TE Connectivity
- Phoenix Contact E-Mobility
- Mennekes
- Amphenol
- ITT Cannon

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HARTING

Rosenberger

HUBER+SUHNER

St?ubli

Weidm?ller

Yazaki

Sumitomo Electric Industries

Aptiv

Lear

Yura Corporation

Japan Aviation Electronics (JAE)

Molex

Marquardt

Hirschmann Automotive

JONHON

Luxshare-ICT

Shenzhen Woer

SINBON Electronics

K.S. Terminals

Legrand

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Key Questions Addressed in this Report

What is the 10-year outlook for the global EV-Charging Connectors and Sockets market?

What factors are driving EV-Charging Connectors and Sockets market growth, globally and by region?

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

How doEV-Charging Connectors and Sockets market opportunities vary by end market size?

How does EV-Charging Connectors and Sockets break out by Type, by Application?

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13 KEY PLAYERS ANALYSIS

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