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Global EV-Charging Connectors and Sockets Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global EV-Charging Connectors and Sockets market size was valued at US$ 1451 million in 2025 and is forecast to a readjusted size of US$ 3313 million by 2032 with a CAGR of 12.6% during review period.

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

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manufacturers, charging network operators, and the aftermarket and maintenance sector, covering both vehicle-side sockets and charger-side connectors for AC and DC 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.

This report is a detailed and comprehensive analysis for global EV-Charging Connectors and Sockets 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 EV-Charging Connectors and Sockets market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Set), 2021-2032

Global EV-Charging Connectors and Sockets market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Set), 2021-2032

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Global EV-Charging Connectors and Sockets market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Set), 2021-2032

Global EV-Charging Connectors and Sockets market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Set), 2021-2026

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 EV-Charging Connectors and Sockets

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 EV-Charging Connectors and Sockets 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 TE Connectivity, Phoenix Contact E-Mobility, Mennekes, Amphenol, ITT Cannon, HARTING, Rosenberger, HUBER+SUHNER, St?ubli, Weidm?ller, etc.

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

Market Segmentation

EV-Charging Connectors and Sockets market is split by Type and by Application. For the period 2021-2032, 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

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AC

DC

Market segment by Cooling Method

Natural Cooling

Air Cooling

Liquid Cooling

Market segment by Standard

GB/T

CCS

CHAdeMO

NACS

J1772

Type 1

Type 2

Market segment by Application

New Energy Passenger Vehicles

New Energy Commercial Vehicles

Special Vehicles

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Major players covered

- TE Connectivity
- Phoenix Contact E-Mobility
- Mennekes
- Amphenol
- ITT Cannon
- HARTING
- Rosenberger
- HUBER+SUHNER
- St?ubli
- Weidm?ller
- Yazaki
- Sumitomo Electric Industries
- Aptiv
- Lear
- Yura Corporation
- Japan Aviation Electronics (JAE)
- Molex
- Marquardt
- Hirschmann Automotive

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JONHON

Luxshare-ICT

Shenzhen Woer

SINBON Electronics

K.S. Terminals

Legrand

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 EV-Charging Connectors and Sockets product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of EV-Charging Connectors and Sockets, with price, sales quantity, revenue, and global market share of EV-Charging Connectors and Sockets from 2021 to 2026.

Chapter 3, the EV-Charging Connectors and Sockets competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed

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emphatically by landscape contrast.

Chapter 4, the EV-Charging Connectors and Sockets breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and EV-Charging Connectors and Sockets market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 EV-Charging Connectors and Sockets.

Chapter 14 and 15, to describe EV-Charging Connectors and Sockets sales channel, distributors, customers, research findings and conclusion.

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Contents

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2 MANUFACTURERS PROFILES

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3 COMPETITIVE ENVIRONMENT: EV-CHARGING CONNECTORS AND SOCKETS BY MANUFACTURER

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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