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Global EV-Charging Connectors and Sockets Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global EV-Charging Connectors and Sockets market size is expected to reach $ 3313 million by 2032, rising at a market growth of 12.6% CAGR during the forecast period (2026-2032).
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 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

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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 studies the global EV-Charging Connectors and Sockets production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for EV-Charging Connectors and Sockets 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 EV-Charging Connectors and Sockets that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global EV-Charging Connectors and Sockets total production and demand, 2021-2032, (Units)

Global EV-Charging Connectors and Sockets total production value, 2021-2032, (USD Million)

Global EV-Charging Connectors and Sockets production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global EV-Charging Connectors and Sockets consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: EV-Charging Connectors and Sockets domestic production, consumption, key domestic manufacturers and share

Global EV-Charging Connectors and Sockets production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global EV-Charging Connectors and Sockets production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

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Global EV-Charging Connectors and Sockets production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)
This report profiles key players in the global EV-Charging Connectors and Sockets 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 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.
Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World EV-Charging Connectors and Sockets market
Detailed Segmentation:
Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Units) and average price (US$/Set) 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 EV-Charging Connectors and Sockets Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global EV-Charging Connectors and Sockets Market, Segmentation by Type:

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AC

DC

Global EV-Charging Connectors and Sockets Market, Segmentation by Cooling Method:

Natural Cooling

Air Cooling

Liquid Cooling

Global EV-Charging Connectors and Sockets Market, Segmentation by Standard:

GB/T

CCS

CHAdeMO

NACS

J1772

Type 1

Type 2

Global EV-Charging Connectors and Sockets Market, Segmentation by Application:

New Energy Passenger Vehicles

New Energy Commercial Vehicles

Special Vehicles

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Companies Profiled:

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

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Hirschmann Automotive

JONHON

Luxshare-ICT

Shenzhen Woer

SINBON Electronics

K.S. Terminals

Legrand

Key Questions Answered:

1. How big is the global EV-Charging Connectors and Sockets market?
2. What is the demand of the global EV-Charging Connectors and Sockets market?
3. What is the year over year growth of the global EV-Charging Connectors and Sockets market?
4. What is the production and production value of the global EV-Charging Connectors and Sockets market?
5. Who are the key producers in the global EV-Charging Connectors and Sockets market?
6. What are the growth factors driving the market demand?

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