

Global Charging Communication Modules Market Growth 2026-2032

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Abstracts

The global Charging Communication Modules market size is predicted to grow from US\$ 2157 million in 2025 to US\$ 7645 million in 2032; it is expected to grow at a CAGR of 19.9% from 2026 to 2032.

In 2025, global Charging Communication Module output reached about 55 million units and global capacity of around 85 million units. The average unit price is about USD 40, with gross margins near 39%. Charging Communication Modules are electronic control and communication units used in electric vehicle (EV) charging systems to enable data exchange between the vehicle, charging station, and backend network. They ensure secure communication, authentication, and power management during the charging process by supporting protocols such as ISO 15118, OCPP (Open Charge Point Protocol), PLC (Power Line Communication), CAN, Ethernet, or wireless connectivity. In the supply chain, upstream components include semiconductors (microcontrollers, communication chips, PLC modems), power management ICs, connectors, antennas, and embedded software stacks supplied by semiconductor and electronics companies. Midstream involves module design, firmware integration, and manufacturing by automotive electronics suppliers and EV charging equipment manufacturers who integrate communication hardware with charging control systems. Downstream applications include EV charging stations (AC chargers, DC fast chargers), onboard vehicle charging controllers, and smart charging infrastructure operated by utilities, charge point operators, fleet charging networks, and automotive OEMs supporting connected and interoperable EV charging ecosystems.

United States market for Charging Communication Modules is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Charging Communication Modules is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Charging Communication Modules is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Charging Communication Modules players cover Bosch, DENSO, Qualcomm, Infineon, Renesas, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Charging Communication Modules and breaks down 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 Charging Communication Modules.

This report presents a comprehensive overview, market shares, and growth opportunities of Charging Communication Modules market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Power Line Communication Modules

CAN Bus Communication Modules

Ethernet Communication Modules

Wireless Communication Modules

RF Communication Modules

Segmentation by Installation Location:

Onboard Charging

Offboard Charging

Segmentation by Application:

Residential EV Charging Systems

Public EV Charging Systems

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

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.

Bosch

DENSO

Qualcomm

Infineon

Renesas

Broadcom

chargebyte

Continental

Analog Devices

KOSTAL Group

Phoenix Contact

Vector Informatik

Murata Manufacturing

Sensata Technologies

NXP Semiconductors

Texas Instruments

STMicroelectronics

Microchip Technology

Delta Electronics

Panasonic Automotive Systems

Key Questions Addressed in this Report

What is the 10-year outlook for the global Charging Communication Modules market?

What factors are driving Charging Communication Modules market growth, globally and by region?

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

How do Charging Communication Modules market opportunities vary by end market size?

How does Charging Communication Modules break out by Type, by Application?

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