

Global Charging Communication Modules Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Charging Communication Modules market size is expected to reach \$ 7582 million by 2032, rising at a market growth of 18.7% CAGR during the forecast period (2026-2032).

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.

This report studies the global Charging Communication Modules production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Charging Communication Modules total production and demand, 2021-2032, (K Units)

Global Charging Communication Modules total production value, 2021-2032, (USD Million)

Global Charging Communication Modules production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Charging Communication Modules consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Charging Communication Modules domestic production, consumption, key domestic manufacturers and share

Global Charging Communication Modules production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Charging Communication Modules production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Charging Communication Modules production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Charging Communication Modules 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 Bosch, DENSO, Qualcomm, Infineon, Renesas, Broadcom, chargebyte, Continental, Analog Devices, KOSTAL Group, 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 Charging Communication Modules 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 Charging Communication Modules Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Charging Communication Modules Market, Segmentation by Type:

Power Line Communication Modules

CAN Bus Communication Modules

Ethernet Communication Modules

Wireless Communication Modules

RF Communication Modules

Global Charging Communication Modules Market, Segmentation by Installation Location:

Onboard Charging

Offboard Charging

Global Charging Communication Modules Market, Segmentation by Application:

Residential EV Charging Systems

Public EV Charging Systems

Companies Profiled:

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 Answered:

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

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