

# Europe Bidirectional Electric Vehicle Charger Market: Analysis and Forecast, 2022-2031

<https://marketpublishers.com/r/E05D6E3425F8EN.html>

Date: January 2024

Pages: 0

Price: US\$ 2,950.00 (Single User License)

ID: E05D6E3425F8EN

## Abstracts

This report will be delivered in 1-5 working days.

### Introduction to Europe Bidirectional Electric Vehicle Charger Market

The Europe bidirectional electric vehicle charger market (excluding U.K.) was valued at \$338.3 million in 2022 and is anticipated to reach \$1,200.3 million by 2031, witnessing a CAGR of 15.11% during the forecast period 2022-2031. The bidirectional electric vehicle charger market is projected to experience growth due to the rising demand for renewable energy sources and the increasing sales of electric vehicles.

### Market Introduction

The bidirectional electric vehicle (EV) charger market in Europe is in its early stages but shows significant growth potential. This market features bidirectional charging technology, allowing EVs not only to draw power from the grid but also to inject surplus energy back, improving grid stability. The increasing adoption of electric vehicles across Europe is a primary driver. Environmental concerns and government incentives drive consumers toward eco-friendly transportation, boosting the demand for bidirectional charging infrastructure.

Moreover, the integration of renewable energy into the European grid is on the rise. Bidirectional EV chargers play a vital role in managing renewable energy intermittency, enhancing energy efficiency, and providing grid services like frequency regulation.

In conclusion, Europe's bidirectional electric vehicle charger market responds to the growing demand for sustainable transportation and renewable energy integration. As

EV adoption continues to rise and renewables become more prevalent in the grid, this market is poised for substantial growth and innovation in the years ahead.

#### Market Segmentation:

##### Segmentation 1: by Application

Vehicle-to-Grid (V2G)

Vehicle-to-Home (V2H)

Others (Vehicle-to-Vehicle and Vehicle-to-Load)

##### Segmentation 2: by Source

OEM

Aftermarket

##### Segmentation 3: by Propulsion Type

Battery Electric Vehicle (BEV)

Plug-in Hybrid Electric Vehicle (PHEV)

##### Segmentation 4: by Deployment of Charger

Domestic

Commercial

##### Segmentation 5: by Charging Type

100 kWh

## Segmentation 6: by Country

Germany

France

Italy

Netherlands

Nordic Countries

Rest-of-Europe

How can this report add value to an organization?

**Product/Innovation Strategy:** The product segment helps the reader understand the different applications of the available based on source (OEM and aftermarket), application (vehicle to grid, vehicle to home, and others), propulsion type (BEV and PHEV), deployment of charger (domestic and commercial), and charging type (100 kWh).

**Growth/Marketing Strategy:** The bidirectional electric vehicle charger market is an exponentially growing market holding enormous opportunities for the market players. Some strategies covered in this segment are product launches, market developments, partnerships and collaborations, business expansions, and investments. The companies' preferred strategy has been market developments, partnerships, and collaborations to strengthen their positions in the Europe bidirectional electric vehicle charger market.

**Competitive Strategy:** Key players in the Europe bidirectional electric vehicle charger market analyzed and profiled in the study involve bidirectional electric charger manufacturers. Moreover, a detailed competitive benchmarking of the players operating in the Europe bidirectional electric vehicle charger market has been done to help the reader understand how players stack against each other, presenting a clear market landscape. Additionally, comprehensive competitive strategies such as partnerships, agreements, and collaborations will aid the reader in understanding the untapped revenue pockets in the market.

## Key Market Players and Competition Synopsis

The companies that are profiled have been selected based on inputs gathered from primary experts and analyzing company coverage, product portfolio, and market penetration.

Some prominent names established in this market are:

Indra Renewable Technologies Limited

Wallbox Chargers, S.L.

Siemens AG

Power Research Electronics B.V.

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