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Global Bidirectional EV Charging Systems Supply, Demand and Key Producers, 2023-2029

https://marketpublishers.com/r/G7EB1C96C76FEN.html
Date: August 2023
Pages: 102
Price: US$ 4,480.00 (Single User License)
ID: G7EB1C96C76FEN

Abstracts

The global Bidirectional EV Charging Systems market size is expected to reach $ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Bidirectional EV (Electric Vehicle) charging systems are charging infrastructures that enable the flow of electricity in both directions between an electric vehicle and the power grid. Unlike traditional unidirectional charging systems, which only allow power to flow from the grid to the vehicle, bidirectional charging systems offer the ability to both charge the vehicle's battery and discharge energy back into the grid when needed. In a bidirectional EV charging system, the vehicle's onboard charger is equipped with additional hardware and software components that facilitate bidirectional power transfer. This allows the vehicle to act as a mobile energy storage unit, capable of supplying electricity to the grid during peak demand periods, grid stabilization, or supporting renewable energy integration.

This report studies the global Bidirectional EV Charging Systems production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Bidirectional EV Charging Systems, and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Bidirectional EV Charging Systems that contribute to its increasing demand across many markets.

Highlights and key features of the study

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Global Bidirectional EV Charging Systems total production and demand, 2018-2029, (K Units)

Global Bidirectional EV Charging Systems total production value, 2018-2029, (USD Million)

Global Bidirectional EV Charging Systems production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Bidirectional EV Charging Systems consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Bidirectional EV Charging Systems domestic production, consumption, key domestic manufacturers and share

Global Bidirectional EV Charging Systems production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Bidirectional EV Charging Systems production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Bidirectional EV Charging Systems production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Bidirectional EV Charging Systems 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 Enphase Energy, ABB, Yocharge, Indra, Epic Power, BorgWarner, Delta Electronics, PHASE and Tsubaki, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Bidirectional EV Charging Systems market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$

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Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Bidirectional EV Charging Systems Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Bidirectional EV Charging Systems Market, Segmentation by Type

Grid-connected System

Off-grid System

Global Bidirectional EV Charging Systems Market, Segmentation by Application

V2G

V2H

Others

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Companies Profiled:

Enphase Energy

ABB

Yocharge

Indra

Epic Power

BorgWarner

Delta Electronics

PHASE

Tsubaki

Key Questions Answered

1. How big is the global Bidirectional EV Charging Systems market?

2. What is the demand of the global Bidirectional EV Charging Systems market?

3. What is the year over year growth of the global Bidirectional EV Charging Systems market?

4. What is the production and production value of the global Bidirectional EV Charging Systems market?

5. Who are the key producers in the global Bidirectional EV Charging Systems market?

6. What are the growth factors driving the market demand?

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