

Global On-Board Charger (OBC) Market 2023-2029

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Abstracts

On-board chargers (OBC) are a critical component in the development and adoption of electric vehicles, as they enable the safe and efficient charging of batteries. OBC technology is continually improving, with newer models offering faster charging times and greater compatibility with different types of charging standards. The adoption of fast-charging OBCs is becoming increasingly important as more consumers look for convenient, high-powered charging options that can enable EVs to travel longer distances on a single charge. The global on-board charger market is anticipated to increase by USD 22.2 billion till 2029 at an average annual growth of 34.85 percent as per the latest market estimates.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global on-board charger market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the charging power, distribution channel, design type, product type, and region. The global market for on-board charger can be segmented by charging power: ≤6.6 kW, 6.7 – 11.0 kW, 11.1 – 22.0 kW, >22.0 kW. The ≤6.6 kW segment held the largest share of the global on-board charger market in 2022 and is anticipated to hold its share during the forecast period. On-board charger market is further segmented by distribution channel: OEMs, aftermarket. Globally, the OEMs segment made up the largest share of the on-board charger market. Based on design type, the on-board charger market is segmented into: unidirectional, bidirectional. The unidirectional segment was the largest contributor to the global on-board charger market in 2022. On the basis of product type, the on-board charger market also can be

divided into: without embedded DC/DC converter, with embedded DC/DC converter. The without embedded DC/DC converter segment is estimated to account for the largest share of the global on-board charger market. On-board charger market by region is categorized into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America.

Market Segmentation

By charging power: ?6.6 kW, 6.7 – 11.0 kW, 11.1 – 22.0 kW, >22.0 kW

By distribution channel: OEMs, aftermarket

By design type: unidirectional, bidirectional

By product type: without embedded DC/DC converter, with embedded DC/DC converter

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report also provides a detailed analysis of several leading on-board charger market vendors that include Bel Fuse Inc., BorgWarner Inc., KOSTAL Automobil Elektrik GmbH & Co. KG, LG Magna e-Powertrain Co., Ltd., Luoyang Grasen Power Technology Co., Ltd., Nichicon Corporation, Robert Bosch GmbH, SolarEdge Technologies Inc., Tesla, Inc., Yazaki Corporation, among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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Scope of the Report

To analyze and forecast the market size of the global on-board charger market.

To classify and forecast the global on-board charger market based on charging power, distribution channel, design type, product type, region.

To identify drivers and challenges for the global on-board charger market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global on-board charger market.

To identify and analyze the profile of leading players operating in the global on-board charger market.

Why Choose This Report

Gain a reliable outlook of the global on-board charger market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

Contents

PART 1. INTRODUCTION

Report description
Objectives of the study
Market segment
Years considered for the report
Currency
Key target audience

PART 2. METHODOLOGY

PART 3. EXECUTIVE SUMMARY

PART 4. MARKET OVERVIEW

Introduction
Drivers
Restraints

PART 5. MARKET BREAKDOWN BY CHARGING POWER

?6.6 kW
6.7 – 11.0 kW
11.1 – 22.0 kW
>22.0 kW

PART 6. MARKET BREAKDOWN BY DISTRIBUTION CHANNEL

OEMs
Aftermarket

PART 7. MARKET BREAKDOWN BY DESIGN TYPE

Unidirectional
Bidirectional

PART 8. MARKET BREAKDOWN BY PRODUCT TYPE

Without embedded DC/DC converter

With embedded DC/DC converter

PART 9. MARKET BREAKDOWN BY REGION

North America

Europe

Asia-Pacific

MEA (Middle East and Africa)

Latin America

PART 10. KEY COMPANIES

Bel Fuse Inc.

BorgWarner Inc.

KOSTAL Automobil Elektrik GmbH & Co. KG

LG Magna e-Powertrain Co., Ltd.

Luoyang Grasen Power Technology Co., Ltd.

Nichicon Corporation

Robert Bosch GmbH

SolarEdge Technologies Inc.

Tesla, Inc.

Yazaki Corporation

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