

Global On-board Charger Market Size study, by Power Output (Less than 11 kW, 11 kW to 22 kW and More than 22 kW), by Vehicle Type (Passenger Car, Buses, Vans, Medium & Heavy Duty Vehicles, Boats and Others), by Propulsion Type (Battery Electric Vehicle (BEV) and Plug-in Hybrid Electric Vehicle (PHEV)), and Regional Forecasts 2021-2027

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Abstracts

Global On-board Charger Market is valued approximately at USD 4.05 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 17.2% over the forecast period 2021-2027. An on-board charger is used to charge the traction battery in electric vehicle or hybrid vehicle. This charger converts the AC input from the grid into DC input to charge the battery of the vehicle. Rising awareness regarding environment protection has shifted focus of the customers towards electric vehicles, which is increasing the demand for on-board charger worldwide. For instance, according to USA Facts, all-electric vehicle sales in the United States increased from 86,731 units in 2016 to 2,41,912 units in 2019. Also, government initiatives to increase the adoption of electric vehicle and developing charging infrastructure has increased the demand for on-board chargers. Such as, in May 2019, Canadian government introduced a rebate of up to CA\$5,000 (USD 3973) for electric-battery or hydrogen-fuel-cell vehicles, in which fully electric cars with sticker below CA\$ 45000 (USD 35763) are eligible for full rebate and plug-in hybrids can qualify for up to CA\$2,500 (USD 1986) off. Additionally, in August 2021, government of Australia funded USD 25 million to five companies for new Electric Vehicle (EV) chargers across metropolitan and regional Australia, to increase the adoption of electric vehicles across the region. Furthermore, lack of standardization of EV charging and increasing installation of fast DC chargers are expected to restrain the growth during forecast period. However, new product launches and growing installation

of in-house charging by customers are anticipated to fuel the demand for product in coming years. For instance, in January 2020, Innoelectric, launched a 22-kW silicon carbide on-board charger under partnership with STMicroelectronics.

Asia Pacific is leading the market among Asia Pacific, North America, Europe, Latin America, and Rest of the World, due to government support for adoption of electric vehicles and rising sales of EVs in countries such as China and India. Whereas, Europe is expected to grow with a significant growth rate during forecast period, owing to growing investment in charging infrastructure and presence of prominent automobile players in the region.

Major market player included in this report are:

Bel Fuse Inc.
Delta Energy Systems
STMicroelectronics
Toyota Industries Corporation
Eaton
Stercom Power Solutions GmbH
Innoelectric AG
Brusa Elektronik AG
Avid Technology Limited
Ficosa Internacional SA

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Power Output:

Less than 11 kW

11 kW to 22 kW

More than 22 kW

By Vehicle Type:

Passenger Car

Buses

Vans

Medium & Heavy Duty Vehicles

Boats

Others

By Propulsion Type:

Battery Electric Vehicle (BEV)

Plug-in Hybrid Electric Vehicle (PHEV)

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global On-board Charger Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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