

North America Automotive Fuel Cell Market 2021-2031 by Electrolyte Type (PEMFC, DMFC, AFC, PAFC, Others), Component (Fuel Stack, Fuel Processor, Power Conditioner, Air Compressor, Humidifier), Vehicle Type (Passenger Cars, LCV, Buses, Trucks, Others), Fuel Type (Hydrogen, Methanol), Power Output (250 KW), Operating Miles (Below 250 Miles, 250-500 Miles, above 500 Miles), and Country: Trend Forecast and Growth Opportunity

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Abstracts

North America automotive fuel cell market is projected to grow by 31.4% annually in the forecast period and reach \$3,745.7 million by 2031, driven by the increasing demand for zero-emission vehicles and government subsidies as tax benefits to promote fuel cell vehicles, the growing concerns for environmental pollution, the quick fuel fill-up time compared to battery-based electric vehicles, and advanced technologies to improve the vehicle efficacy.

Highlighted with 25 tables and 52 figures, this 112-page report "North America Automotive Fuel Cell Market 2021-2031 by Electrolyte Type (PEMFC, DMFC, AFC, PAFC, Others), Component (Fuel Stack, Fuel Processor, Power Conditioner, Air Compressor, Humidifier), Vehicle Type (Passenger Cars, LCV, Buses, Trucks, Others), Fuel Type (Hydrogen, Methanol), Power Output (250 KW), Operating Miles (Below 250 Miles, 250-500 Miles, Above 500 Miles), and Country: Trend Forecast and Growth Opportunity" is based on a comprehensive research of the entire North America automotive fuel cell market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary



and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2018-2021 and provides forecast from 2022 till 2031 with 2021 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America automotive fuel cell market in every aspect of the classification from perspectives of Electrolyte Type, Component, Vehicle Type, Fuel Type, Power Output, Operating Miles, and Country.

Based on Electrolyte Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.

Proton-Exchange Membrane Fuel Cell (PEMFC)

Direct Methanol Fuel Cell (DMFC)

Alkaline Fuel Cell (AFC)

Phosphoric Acid Fuel Cell (PAFC)

Other Electrolyte Types



Based on Component, the North America market is segmented into the following submarkets with annual revenue (\$ mn) for 2021-2031 included in each section.

Fuel Stack
Fuel Processor
Power Conditioner
Air Compressor
Humidifier
By Vehicle Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.
Passenger Cars
Light Commercial Vehicles (LCV)
Buses
Trucks
Other Commercial Vehicles
By Fuel Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2021-2031 included in each section.
Hydrogen
Methanol

By Power Output, the North America market is segmented into the following submarkets with annual revenue (\$ mn) for 2021-2031 included in each section.



150-250 KW

>250 KW

By Operating Miles, the North America market is segmented into the following submarkets with annual revenue (\$ mn) for 2021-2031 included in each section.

Below 250 Miles

250-500 Miles

Above 500 Miles

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2021-2031. The breakdown of national markets by Electrolyte Type, Vehicle Type and Operating Miles over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

Ballard Power Systems Inc.

BorgWarner Inc.

Ceres Power Holdings PLC



Cummins Inc.
Doosan Fuel Cell Co., Ltd.
Elringklinger AG
Horizon Fuel Cell Technologies Pte. Ltd.
Hydrogenics Corporation
Intelligent Energy Limited
ITM Power PLC
Nedstack Fuel Cell Technology BV
Nuvera Fuel Cells LLC
Oorja Corporation
Plug Power Inc.
PowerCell Sweden AB
Proton Motor Fuel Cell GmbH
SFC Energy AG
Watt Fuel Cell Corporation
(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)



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Hydrogenics Corporation

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