

# Global Fuel Cell for Data Centre Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Fuel Cell for Data Centre market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Fuel Cell for Data Centre refers to a battery that serves the data center by converting chemical energy. Fuel cells use waste heat to generate primary or backup power and can replace grids, UPS and generators.

According to data released by the China Association of Automobile Manufacturers, in December 2022, the production and sales of hydrogen fuel cell vehicles in China was 653 and 607, respectively. In the whole year of 2022, the production and sales of hydrogen fuel cell vehicles was 3,626 and 3,367, a year-on-year increase of 105.4% and 112.8%, respectively. According to our Fuel Cell Research Center, by the end of 2022, the number of fuel cell vehicles in the world had reached 67,000 units, a year-on-year increase of 36.6%. Among them, the number of fuel cell vehicles in China was 12,682 units.

The Global Info Research report includes an overview of the development of the Fuel Cell for Data Centre industry chain, the market status of Telecommunications Industry (Proton Exchange Membrane Fuel Cell, Solid Oxide Fuel Cell), Internet Service Provider (Proton Exchange Membrane Fuel Cell, Solid Oxide Fuel Cell), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Fuel Cell for Data Centre.

Regionally, the report analyzes the Fuel Cell for Data Centre markets in key regions.

North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Fuel Cell for Data Centre market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Fuel Cell for Data Centre market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Fuel Cell for Data Centre industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Proton Exchange Membrane Fuel Cell, Solid Oxide Fuel Cell).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Fuel Cell for Data Centre market.

**Regional Analysis:** The report involves examining the Fuel Cell for Data Centre market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Fuel Cell for Data Centre market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Fuel Cell for Data Centre:

**Company Analysis:** Report covers individual Fuel Cell for Data Centre manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Fuel Cell for Data Centre. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Telecommunications Industry, Internet Service Provider).

**Technology Analysis:** Report covers specific technologies relevant to Fuel Cell for Data Centre. It assesses the current state, advancements, and potential future developments in Fuel Cell for Data Centre areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Fuel Cell for Data Centre market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Fuel Cell for Data Centre market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Proton Exchange Membrane Fuel Cell

Solid Oxide Fuel Cell

Molten Carbonate

Phosphoric Acid Fuel Cell

Other

### Market segment by Application

Telecommunications Industry

Internet Service Provider

Company Data Center

Government Agency

Education And Research Institutions

Other

Major players covered

FuelCell Energy

Altergy

Bloom Energy

Logan Energy

AFC Energy

Toshiba Fuel Cell Power Systems Corporation

Plug Power

Panasonic

Hydrogenics

Ballard

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Fuel Cell for Data Centre product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Fuel Cell for Data Centre, with price, sales, revenue and global market share of Fuel Cell for Data Centre from 2019 to 2024.

Chapter 3, the Fuel Cell for Data Centre competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Fuel Cell for Data Centre breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Fuel Cell for Data Centre market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Fuel Cell for

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Chapter 14 and 15, to describe Fuel Cell for Data Centre sales channel, distributors, customers, research findings and conclusion.

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