

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

https://marketpublishers.com/r/GAB32BF775DEN.html

Date: January 2024

Pages: 114

Price: US\$ 3,480.00 (Single User License)

ID: GAB32BF775DEN

# **Abstracts**

According to our (Global Info Research) latest study, the global Stationary Fuel Cell market size was valued at USD 7948.6 million in 2023 and is forecast to a readjusted size of USD 46510 million by 2030 with a CAGR of 28.7% during review period.

Stationary fuel cells generate electricity through an electrochemical reaction, not combustion, providing clean, efficient, and reliable off-grid power to homes, businesses, telecommunications networks, utilities, and others.

Stationary fuel cells are quiet and have very low emissions, so they can be to be installed nearly anywhere. These systems provide power on-site directly to customers, without the efficiency losses of long-range grid transmission.

Stationary fuel cell systems also take up much less space in proportion to other clean energy technologies. For instance, a 10 megawatt (MW) fuel cell installation can be sited in a about an acre of land. This is compared to about 10 acres required per MW of solar power and about 50 acres per MW of wind.

Panasonic, Toshiba, Siemens, Fuji Electric and POSCO ENERGY, etc. are the leaders of the industry, with about 62% market shares.

JP & KR region is the largest supplier of Stationary Fuel Cells, with a production market share nearly 75%. USA is the second largest supplier of Stationary Fuel Cells, enjoying production market share nearly 15%.

JP & KR is the largest consumption place, with a consumption market share nearly



51%. Following JP & KR, USA is the second largest consumption place with the consumption market share of 32%.

The classification of Stationary Fuel Cells includes 0-1 KW, 1-4 KW, > 4 KW, and the proportion of 0-1 KW in 2015 is about 43%.

The Global Info Research report includes an overview of the development of the Stationary Fuel Cell industry chain, the market status of Residential (0-1 KW, 1-4 KW), Telecommunications Network (0-1 KW, 1-4 KW), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Stationary Fuel Cell.

Regionally, the report analyzes the Stationary Fuel Cell 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 Stationary Fuel Cell market, with robust domestic demand, supportive policies, and a strong manufacturing base.

## Key Features:

The report presents comprehensive understanding of the Stationary Fuel Cell 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 Stationary Fuel Cell 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 (MW), revenue generated, and market share of different by Type (e.g., 0-1 KW, 1-4 KW).

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 Stationary Fuel Cell market.

Regional Analysis: The report involves examining the Stationary Fuel Cell 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 Stationary Fuel Cell market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Stationary Fuel Cell:

Company Analysis: Report covers individual Stationary Fuel Cell 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 Stationary Fuel Cell This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Residential, Telecommunications Network).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Stationary Fuel Cell 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

Stationary Fuel Cell 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



0-1 KW

1-4 KW
Above 4 KW
Market segment by Application
Residential
Telecommunications Network
Secure Communications
Other
Major players covered
Panasonic
Toshiba
Siemens
Fuji Electric
POSCO ENERGY
Bloom Energy
JX Nippon
FuelCell Energy
Ballard Power
Plug Power
Global Stationary Fuel Cell Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030



Doosan PureCell America

Altergy

**SOLIDpower** 

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 Stationary Fuel Cell product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Stationary Fuel Cell 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 Stationary Fuel Cell 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 Stationary Fuel Cell.

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



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