

# Global Solid Oxide Fuel Cell (SOFC) Market Growth 2024-2030

<https://marketpublishers.com/r/G5A941F4F7FEN.html>

Date: January 2024

Pages: 114

Price: US\$ 3,660.00 (Single User License)

ID: G5A941F4F7FEN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Solid Oxide Fuel Cell (SOFC) market size was valued at US\$ 620.2 million in 2023. With growing demand in downstream market, the Solid Oxide Fuel Cell (SOFC) is forecast to a readjusted size of US\$ 1503.6 million by 2030 with a CAGR of 13.5% during review period.

The research report highlights the growth potential of the global Solid Oxide Fuel Cell (SOFC) market. Solid Oxide Fuel Cell (SOFC) are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Solid Oxide Fuel Cell (SOFC). Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Solid Oxide Fuel Cell (SOFC) market.

Solid oxide fuel cells are emission free power sources, which run on electrochemical conversion reactions. SOFC use ceramic electrolytes that are hard and non-porous in nature. As the electrolyte is a solid, the cells are not necessarily constructed in a plate-like configuration as seen in other fuel cell types. Electrical efficiency provided is around 50% to 60%. In applications designed to capture and utilize the system's waste heat (cogeneration), the overall fuel use efficiency could top 80% to 85% and operate at very high temperatures of around 1,000°C (1,830°F). The unique properties of solid oxide fuel cell such as portability, long-term stability, easy fuel selection, and emission-free power serve this requirement. These cells have vast applications, with military applications expecting the highest growth. Planar SOFC has been identified to be the dominating fuel cell in the market for its versatility. This report studies the Solid Oxide

Fuel Cell (SOFC) market, from angles of players, regions, product types and end industries, to analyze the status and the future. The scope of this report is mainly for commercial companies, excluding products from government departments and research institutions.

Global Solid Oxide Fuel Cell (SOFC) key players include Bloom Energy, Siemens Energy, Aisin Seiki, Mitsubishi Heavy Industries, Delphi Corp, etc. Global top five manufacturers hold a share about 60%. North America and Europe is the largest market, both with a share about 30%, followed by Japan, with a share about 10 percent. In terms of product, Planar is the largest segment, with a share about 55%. And in terms of application, the largest application is Stationary, followed by Transportation, Portable & Military.

#### Key Features:

The report on Solid Oxide Fuel Cell (SOFC) market reflects various aspects and provide valuable insights into the industry.

**Market Size and Growth:** The research report provide an overview of the current size and growth of the Solid Oxide Fuel Cell (SOFC) market. It may include historical data, market segmentation by Type (e.g., Tubular, Planar), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the Solid Oxide Fuel Cell (SOFC) market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

**Competitive Landscape:** The research report provides analysis of the competitive landscape within the Solid Oxide Fuel Cell (SOFC) market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

**Technological Developments:** The research report can delve into the latest technological developments in the Solid Oxide Fuel Cell (SOFC) industry. This include advancements in Solid Oxide Fuel Cell (SOFC) technology, Solid Oxide Fuel Cell (SOFC) new entrants, Solid Oxide Fuel Cell (SOFC) new investment, and other innovations that are shaping the future of Solid Oxide Fuel Cell (SOFC).

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the Solid Oxide Fuel Cell (SOFC) market. It includes factors influencing customer ' purchasing decisions, preferences for Solid Oxide Fuel Cell (SOFC) product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the Solid Oxide Fuel Cell (SOFC) market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Solid Oxide Fuel Cell (SOFC) market. The report also evaluates the effectiveness of these policies in driving market growth.

**Environmental Impact and Sustainability:** The research report assess the environmental impact and sustainability aspects of the Solid Oxide Fuel Cell (SOFC) market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the Solid Oxide Fuel Cell (SOFC) industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

**Recommendations and Opportunities:** The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Solid Oxide Fuel Cell (SOFC) market.

**Market Segmentation:**

Solid Oxide Fuel Cell (SOFC) 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.

Segmentation by type

Tubular

Planar

Others

## Segmentation by application

Transportation

Portable & Military

Stationary

## This report also splits the market by region:

### Americas

United States

Canada

Mexico

Brazil

### APAC

China

Japan

Korea

Southeast Asia

India

Australia

### Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Bloom Energy

Siemens Energy

Aisin Seiki

Mitsubishi Heavy Industries

Delphi

GE

Convion

FuelCell Energy

Atrex Energy, Inc

SOLIDpower

ZTEK

Redox Power Systems

Ceres

Elcogen

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Solid Oxide Fuel Cell (SOFC) market?

What factors are driving Solid Oxide Fuel Cell (SOFC) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Solid Oxide Fuel Cell (SOFC) market opportunities vary by end market size?

How does Solid Oxide Fuel Cell (SOFC) break out type, application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Solid Oxide Fuel Cell (SOFC) Annual Sales 2019-2030
  - 2.1.2 World Current & Future Analysis for Solid Oxide Fuel Cell (SOFC) by Geographic Region, 2019, 2023 & 2030
  - 2.1.3 World Current & Future Analysis for Solid Oxide Fuel Cell (SOFC) by Country/Region, 2019, 2023 & 2030
- 2.2 Solid Oxide Fuel Cell (SOFC) Segment by Type
  - 2.2.1 Tubular
  - 2.2.2 Planar
  - 2.2.3 Others
- 2.3 Solid Oxide Fuel Cell (SOFC) Sales by Type
  - 2.3.1 Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Type (2019-2024)
  - 2.3.2 Global Solid Oxide Fuel Cell (SOFC) Revenue and Market Share by Type (2019-2024)
  - 2.3.3 Global Solid Oxide Fuel Cell (SOFC) Sale Price by Type (2019-2024)
- 2.4 Solid Oxide Fuel Cell (SOFC) Segment by Application
  - 2.4.1 Transportation
  - 2.4.2 Portable & Military
  - 2.4.3 Stationary
- 2.5 Solid Oxide Fuel Cell (SOFC) Sales by Application
  - 2.5.1 Global Solid Oxide Fuel Cell (SOFC) Sale Market Share by Application (2019-2024)
  - 2.5.2 Global Solid Oxide Fuel Cell (SOFC) Revenue and Market Share by Application (2019-2024)

### 2.5.3 Global Solid Oxide Fuel Cell (SOFC) Sale Price by Application (2019-2024)

## **3 GLOBAL SOLID OXIDE FUEL CELL (SOFC) BY COMPANY**

### 3.1 Global Solid Oxide Fuel Cell (SOFC) Breakdown Data by Company

#### 3.1.1 Global Solid Oxide Fuel Cell (SOFC) Annual Sales by Company (2019-2024)

#### 3.1.2 Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Company (2019-2024)

### 3.2 Global Solid Oxide Fuel Cell (SOFC) Annual Revenue by Company (2019-2024)

#### 3.2.1 Global Solid Oxide Fuel Cell (SOFC) Revenue by Company (2019-2024)

#### 3.2.2 Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Company (2019-2024)

### 3.3 Global Solid Oxide Fuel Cell (SOFC) Sale Price by Company

### 3.4 Key Manufacturers Solid Oxide Fuel Cell (SOFC) Producing Area Distribution, Sales Area, Product Type

#### 3.4.1 Key Manufacturers Solid Oxide Fuel Cell (SOFC) Product Location Distribution

#### 3.4.2 Players Solid Oxide Fuel Cell (SOFC) Products Offered

### 3.5 Market Concentration Rate Analysis

#### 3.5.1 Competition Landscape Analysis

#### 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

### 3.6 New Products and Potential Entrants

### 3.7 Mergers & Acquisitions, Expansion

## **4 WORLD HISTORIC REVIEW FOR SOLID OXIDE FUEL CELL (SOFC) BY GEOGRAPHIC REGION**

### 4.1 World Historic Solid Oxide Fuel Cell (SOFC) Market Size by Geographic Region (2019-2024)

#### 4.1.1 Global Solid Oxide Fuel Cell (SOFC) Annual Sales by Geographic Region (2019-2024)

#### 4.1.2 Global Solid Oxide Fuel Cell (SOFC) Annual Revenue by Geographic Region (2019-2024)

### 4.2 World Historic Solid Oxide Fuel Cell (SOFC) Market Size by Country/Region (2019-2024)

#### 4.2.1 Global Solid Oxide Fuel Cell (SOFC) Annual Sales by Country/Region (2019-2024)

#### 4.2.2 Global Solid Oxide Fuel Cell (SOFC) Annual Revenue by Country/Region (2019-2024)

### 4.3 Americas Solid Oxide Fuel Cell (SOFC) Sales Growth



- 4.4 APAC Solid Oxide Fuel Cell (SOFC) Sales Growth
- 4.5 Europe Solid Oxide Fuel Cell (SOFC) Sales Growth
- 4.6 Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales Growth

## **5 AMERICAS**

- 5.1 Americas Solid Oxide Fuel Cell (SOFC) Sales by Country
  - 5.1.1 Americas Solid Oxide Fuel Cell (SOFC) Sales by Country (2019-2024)
  - 5.1.2 Americas Solid Oxide Fuel Cell (SOFC) Revenue by Country (2019-2024)
- 5.2 Americas Solid Oxide Fuel Cell (SOFC) Sales by Type
- 5.3 Americas Solid Oxide Fuel Cell (SOFC) Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Solid Oxide Fuel Cell (SOFC) Sales by Region
  - 6.1.1 APAC Solid Oxide Fuel Cell (SOFC) Sales by Region (2019-2024)
  - 6.1.2 APAC Solid Oxide Fuel Cell (SOFC) Revenue by Region (2019-2024)
- 6.2 APAC Solid Oxide Fuel Cell (SOFC) Sales by Type
- 6.3 APAC Solid Oxide Fuel Cell (SOFC) Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe Solid Oxide Fuel Cell (SOFC) by Country
  - 7.1.1 Europe Solid Oxide Fuel Cell (SOFC) Sales by Country (2019-2024)
  - 7.1.2 Europe Solid Oxide Fuel Cell (SOFC) Revenue by Country (2019-2024)
- 7.2 Europe Solid Oxide Fuel Cell (SOFC) Sales by Type
- 7.3 Europe Solid Oxide Fuel Cell (SOFC) Sales by Application
- 7.4 Germany

- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Solid Oxide Fuel Cell (SOFC) by Country
  - 8.1.1 Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales by Country (2019-2024)
  - 8.1.2 Middle East & Africa Solid Oxide Fuel Cell (SOFC) Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales by Type
- 8.3 Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Solid Oxide Fuel Cell (SOFC)
- 10.3 Manufacturing Process Analysis of Solid Oxide Fuel Cell (SOFC)
- 10.4 Industry Chain Structure of Solid Oxide Fuel Cell (SOFC)

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Solid Oxide Fuel Cell (SOFC) Distributors

### 11.3 Solid Oxide Fuel Cell (SOFC) Customer

## **12 WORLD FORECAST REVIEW FOR SOLID OXIDE FUEL CELL (SOFC) BY GEOGRAPHIC REGION**

### 12.1 Global Solid Oxide Fuel Cell (SOFC) Market Size Forecast by Region

#### 12.1.1 Global Solid Oxide Fuel Cell (SOFC) Forecast by Region (2025-2030)

#### 12.1.2 Global Solid Oxide Fuel Cell (SOFC) Annual Revenue Forecast by Region (2025-2030)

### 12.2 Americas Forecast by Country

### 12.3 APAC Forecast by Region

### 12.4 Europe Forecast by Country

### 12.5 Middle East & Africa Forecast by Country

### 12.6 Global Solid Oxide Fuel Cell (SOFC) Forecast by Type

### 12.7 Global Solid Oxide Fuel Cell (SOFC) Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Bloom Energy

#### 13.1.1 Bloom Energy Company Information

#### 13.1.2 Bloom Energy Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

#### 13.1.3 Bloom Energy Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.1.4 Bloom Energy Main Business Overview

#### 13.1.5 Bloom Energy Latest Developments

### 13.2 Siemens Energy

#### 13.2.1 Siemens Energy Company Information

#### 13.2.2 Siemens Energy Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

#### 13.2.3 Siemens Energy Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.2.4 Siemens Energy Main Business Overview

#### 13.2.5 Siemens Energy Latest Developments

### 13.3 Aisin Seiki

#### 13.3.1 Aisin Seiki Company Information

#### 13.3.2 Aisin Seiki Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

#### 13.3.3 Aisin Seiki Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.3.4 Aisin Seiki Main Business Overview
- 13.3.5 Aisin Seiki Latest Developments
- 13.4 Mitsubishi Heavy Industries
  - 13.4.1 Mitsubishi Heavy Industries Company Information
  - 13.4.2 Mitsubishi Heavy Industries Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications
  - 13.4.3 Mitsubishi Heavy Industries Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.4.4 Mitsubishi Heavy Industries Main Business Overview
  - 13.4.5 Mitsubishi Heavy Industries Latest Developments
- 13.5 Delphi
  - 13.5.1 Delphi Company Information
  - 13.5.2 Delphi Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications
  - 13.5.3 Delphi Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.5.4 Delphi Main Business Overview
  - 13.5.5 Delphi Latest Developments
- 13.6 GE
  - 13.6.1 GE Company Information
  - 13.6.2 GE Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications
  - 13.6.3 GE Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.6.4 GE Main Business Overview
  - 13.6.5 GE Latest Developments
- 13.7 Convion
  - 13.7.1 Convion Company Information
  - 13.7.2 Convion Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications
  - 13.7.3 Convion Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.7.4 Convion Main Business Overview
  - 13.7.5 Convion Latest Developments
- 13.8 FuelCell Energy
  - 13.8.1 FuelCell Energy Company Information
  - 13.8.2 FuelCell Energy Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications
  - 13.8.3 FuelCell Energy Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.8.4 FuelCell Energy Main Business Overview
  - 13.8.5 FuelCell Energy Latest Developments

## 13.9 Atrex Energy, Inc

13.9.1 Atrex Energy, Inc Company Information

13.9.2 Atrex Energy, Inc Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

13.9.3 Atrex Energy, Inc Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 Atrex Energy, Inc Main Business Overview

13.9.5 Atrex Energy, Inc Latest Developments

## 13.10 SOLIDpower

13.10.1 SOLIDpower Company Information

13.10.2 SOLIDpower Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

13.10.3 SOLIDpower Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 SOLIDpower Main Business Overview

13.10.5 SOLIDpower Latest Developments

## 13.11 ZTEK

13.11.1 ZTEK Company Information

13.11.2 ZTEK Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

13.11.3 ZTEK Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 ZTEK Main Business Overview

13.11.5 ZTEK Latest Developments

## 13.12 Redox Power Systems

13.12.1 Redox Power Systems Company Information

13.12.2 Redox Power Systems Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

13.12.3 Redox Power Systems Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 Redox Power Systems Main Business Overview

13.12.5 Redox Power Systems Latest Developments

## 13.13 Ceres

13.13.1 Ceres Company Information

13.13.2 Ceres Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

13.13.3 Ceres Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)

13.13.4 Ceres Main Business Overview

13.13.5 Ceres Latest Developments

## 13.14 Elcogen

- 13.14.1 Elcogen Company Information
- 13.14.2 Elcogen Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications
- 13.14.3 Elcogen Solid Oxide Fuel Cell (SOFC) Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.14.4 Elcogen Main Business Overview
- 13.14.5 Elcogen Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Solid Oxide Fuel Cell (SOFC) Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Solid Oxide Fuel Cell (SOFC) Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Tubular

Table 4. Major Players of Planar

Table 5. Major Players of Others

Table 6. Global Solid Oxide Fuel Cell (SOFC) Sales by Type (2019-2024) & (Units)

Table 7. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Type (2019-2024)

Table 8. Global Solid Oxide Fuel Cell (SOFC) Revenue by Type (2019-2024) & (\$ million)

Table 9. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Type (2019-2024)

Table 10. Global Solid Oxide Fuel Cell (SOFC) Sale Price by Type (2019-2024) & (USD/Unit)

Table 11. Global Solid Oxide Fuel Cell (SOFC) Sales by Application (2019-2024) & (Units)

Table 12. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Application (2019-2024)

Table 13. Global Solid Oxide Fuel Cell (SOFC) Revenue by Application (2019-2024)

Table 14. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Application (2019-2024)

Table 15. Global Solid Oxide Fuel Cell (SOFC) Sale Price by Application (2019-2024) & (USD/Unit)

Table 16. Global Solid Oxide Fuel Cell (SOFC) Sales by Company (2019-2024) & (Units)

Table 17. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Company (2019-2024)

Table 18. Global Solid Oxide Fuel Cell (SOFC) Revenue by Company (2019-2024) (\$ Millions)

Table 19. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Company (2019-2024)

Table 20. Global Solid Oxide Fuel Cell (SOFC) Sale Price by Company (2019-2024) & (USD/Unit)

Table 21. Key Manufacturers Solid Oxide Fuel Cell (SOFC) Producing Area Distribution

and Sales Area

Table 22. Players Solid Oxide Fuel Cell (SOFC) Products Offered

Table 23. Solid Oxide Fuel Cell (SOFC) Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global Solid Oxide Fuel Cell (SOFC) Sales by Geographic Region (2019-2024) & (Units)

Table 27. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share Geographic Region (2019-2024)

Table 28. Global Solid Oxide Fuel Cell (SOFC) Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 29. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Geographic Region (2019-2024)

Table 30. Global Solid Oxide Fuel Cell (SOFC) Sales by Country/Region (2019-2024) & (Units)

Table 31. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Country/Region (2019-2024)

Table 32. Global Solid Oxide Fuel Cell (SOFC) Revenue by Country/Region (2019-2024) & (\$ millions)

Table 33. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Country/Region (2019-2024)

Table 34. Americas Solid Oxide Fuel Cell (SOFC) Sales by Country (2019-2024) & (Units)

Table 35. Americas Solid Oxide Fuel Cell (SOFC) Sales Market Share by Country (2019-2024)

Table 36. Americas Solid Oxide Fuel Cell (SOFC) Revenue by Country (2019-2024) & (\$ Millions)

Table 37. Americas Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Country (2019-2024)

Table 38. Americas Solid Oxide Fuel Cell (SOFC) Sales by Type (2019-2024) & (Units)

Table 39. Americas Solid Oxide Fuel Cell (SOFC) Sales by Application (2019-2024) & (Units)

Table 40. APAC Solid Oxide Fuel Cell (SOFC) Sales by Region (2019-2024) & (Units)

Table 41. APAC Solid Oxide Fuel Cell (SOFC) Sales Market Share by Region (2019-2024)

Table 42. APAC Solid Oxide Fuel Cell (SOFC) Revenue by Region (2019-2024) & (\$ Millions)

Table 43. APAC Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Region



(2019-2024)

Table 44. APAC Solid Oxide Fuel Cell (SOFC) Sales by Type (2019-2024) & (Units)

Table 45. APAC Solid Oxide Fuel Cell (SOFC) Sales by Application (2019-2024) & (Units)

Table 46. Europe Solid Oxide Fuel Cell (SOFC) Sales by Country (2019-2024) & (Units)

Table 47. Europe Solid Oxide Fuel Cell (SOFC) Sales Market Share by Country (2019-2024)

Table 48. Europe Solid Oxide Fuel Cell (SOFC) Revenue by Country (2019-2024) & (\$ Millions)

Table 49. Europe Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Country (2019-2024)

Table 50. Europe Solid Oxide Fuel Cell (SOFC) Sales by Type (2019-2024) & (Units)

Table 51. Europe Solid Oxide Fuel Cell (SOFC) Sales by Application (2019-2024) & (Units)

Table 52. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales by Country (2019-2024) & (Units)

Table 53. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales Market Share by Country (2019-2024)

Table 54. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Revenue by Country (2019-2024) & (\$ Millions)

Table 55. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Country (2019-2024)

Table 56. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales by Type (2019-2024) & (Units)

Table 57. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales by Application (2019-2024) & (Units)

Table 58. Key Market Drivers & Growth Opportunities of Solid Oxide Fuel Cell (SOFC)

Table 59. Key Market Challenges & Risks of Solid Oxide Fuel Cell (SOFC)

Table 60. Key Industry Trends of Solid Oxide Fuel Cell (SOFC)

Table 61. Solid Oxide Fuel Cell (SOFC) Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. Solid Oxide Fuel Cell (SOFC) Distributors List

Table 64. Solid Oxide Fuel Cell (SOFC) Customer List

Table 65. Global Solid Oxide Fuel Cell (SOFC) Sales Forecast by Region (2025-2030) & (Units)

Table 66. Global Solid Oxide Fuel Cell (SOFC) Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 67. Americas Solid Oxide Fuel Cell (SOFC) Sales Forecast by Country (2025-2030) & (Units)

Table 68. Americas Solid Oxide Fuel Cell (SOFC) Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 69. APAC Solid Oxide Fuel Cell (SOFC) Sales Forecast by Region (2025-2030) & (Units)

Table 70. APAC Solid Oxide Fuel Cell (SOFC) Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 71. Europe Solid Oxide Fuel Cell (SOFC) Sales Forecast by Country (2025-2030) & (Units)

Table 72. Europe Solid Oxide Fuel Cell (SOFC) Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 73. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales Forecast by Country (2025-2030) & (Units)

Table 74. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 75. Global Solid Oxide Fuel Cell (SOFC) Sales Forecast by Type (2025-2030) & (Units)

Table 76. Global Solid Oxide Fuel Cell (SOFC) Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 77. Global Solid Oxide Fuel Cell (SOFC) Sales Forecast by Application (2025-2030) & (Units)

Table 78. Global Solid Oxide Fuel Cell (SOFC) Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 79. Bloom Energy Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 80. Bloom Energy Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 81. Bloom Energy Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 82. Bloom Energy Main Business

Table 83. Bloom Energy Latest Developments

Table 84. Siemens Energy Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 85. Siemens Energy Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 86. Siemens Energy Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 87. Siemens Energy Main Business

Table 88. Siemens Energy Latest Developments

Table 89. Aisin Seiki Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing

Base, Sales Area and Its Competitors

Table 90. Aisin Seiki Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 91. Aisin Seiki Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 92. Aisin Seiki Main Business

Table 93. Aisin Seiki Latest Developments

Table 94. Mitsubishi Heavy Industries Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 95. Mitsubishi Heavy Industries Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 96. Mitsubishi Heavy Industries Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 97. Mitsubishi Heavy Industries Main Business

Table 98. Mitsubishi Heavy Industries Latest Developments

Table 99. Delphi Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 100. Delphi Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 101. Delphi Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 102. Delphi Main Business

Table 103. Delphi Latest Developments

Table 104. GE Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 105. GE Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 106. GE Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 107. GE Main Business

Table 108. GE Latest Developments

Table 109. Convion Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 110. Convion Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 111. Convion Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 112. Convion Main Business

Table 113. Convion Latest Developments

Table 114. FuelCell Energy Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 115. FuelCell Energy Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 116. FuelCell Energy Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 117. FuelCell Energy Main Business

Table 118. FuelCell Energy Latest Developments

Table 119. Atrex Energy, Inc Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 120. Atrex Energy, Inc Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 121. Atrex Energy, Inc Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 122. Atrex Energy, Inc Main Business

Table 123. Atrex Energy, Inc Latest Developments

Table 124. SOLIDpower Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 125. SOLIDpower Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 126. SOLIDpower Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 127. SOLIDpower Main Business

Table 128. SOLIDpower Latest Developments

Table 129. ZTEK Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 130. ZTEK Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 131. ZTEK Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 132. ZTEK Main Business

Table 133. ZTEK Latest Developments

Table 134. Redox Power Systems Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 135. Redox Power Systems Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 136. Redox Power Systems Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 137. Redox Power Systems Main Business

Table 138. Redox Power Systems Latest Developments

Table 139. Ceres Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 140. Ceres Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 141. Ceres Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million),

Price (USD/Unit) and Gross Margin (2019-2024)

Table 142. Ceres Main Business

Table 143. Ceres Latest Developments

Table 144. Elcogen Basic Information, Solid Oxide Fuel Cell (SOFC) Manufacturing Base, Sales Area and Its Competitors

Table 145. Elcogen Solid Oxide Fuel Cell (SOFC) Product Portfolios and Specifications

Table 146. Elcogen Solid Oxide Fuel Cell (SOFC) Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 147. Elcogen Main Business

Table 148. Elcogen Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Solid Oxide Fuel Cell (SOFC)
- Figure 2. Solid Oxide Fuel Cell (SOFC) Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Solid Oxide Fuel Cell (SOFC) Sales Growth Rate 2019-2030 (Units)
- Figure 7. Global Solid Oxide Fuel Cell (SOFC) Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Solid Oxide Fuel Cell (SOFC) Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Tubular
- Figure 10. Product Picture of Planar
- Figure 11. Product Picture of Others
- Figure 12. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Type in 2023
- Figure 13. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Type (2019-2024)
- Figure 14. Solid Oxide Fuel Cell (SOFC) Consumed in Transportation
- Figure 15. Global Solid Oxide Fuel Cell (SOFC) Market: Transportation (2019-2024) & (Units)
- Figure 16. Solid Oxide Fuel Cell (SOFC) Consumed in Portable & Military
- Figure 17. Global Solid Oxide Fuel Cell (SOFC) Market: Portable & Military (2019-2024) & (Units)
- Figure 18. Solid Oxide Fuel Cell (SOFC) Consumed in Stationary
- Figure 19. Global Solid Oxide Fuel Cell (SOFC) Market: Stationary (2019-2024) & (Units)
- Figure 20. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Application (2023)
- Figure 21. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Application in 2023
- Figure 22. Solid Oxide Fuel Cell (SOFC) Sales Market by Company in 2023 (Units)
- Figure 23. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Company in 2023
- Figure 24. Solid Oxide Fuel Cell (SOFC) Revenue Market by Company in 2023 (\$ Million)
- Figure 25. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Company in

2023

Figure 26. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share by Geographic Region (2019-2024)

Figure 27. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Geographic Region in 2023

Figure 28. Americas Solid Oxide Fuel Cell (SOFC) Sales 2019-2024 (Units)

Figure 29. Americas Solid Oxide Fuel Cell (SOFC) Revenue 2019-2024 (\$ Millions)

Figure 30. APAC Solid Oxide Fuel Cell (SOFC) Sales 2019-2024 (Units)

Figure 31. APAC Solid Oxide Fuel Cell (SOFC) Revenue 2019-2024 (\$ Millions)

Figure 32. Europe Solid Oxide Fuel Cell (SOFC) Sales 2019-2024 (Units)

Figure 33. Europe Solid Oxide Fuel Cell (SOFC) Revenue 2019-2024 (\$ Millions)

Figure 34. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales 2019-2024 (Units)

Figure 35. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Revenue 2019-2024 (\$ Millions)

Figure 36. Americas Solid Oxide Fuel Cell (SOFC) Sales Market Share by Country in 2023

Figure 37. Americas Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Country in 2023

Figure 38. Americas Solid Oxide Fuel Cell (SOFC) Sales Market Share by Type (2019-2024)

Figure 39. Americas Solid Oxide Fuel Cell (SOFC) Sales Market Share by Application (2019-2024)

Figure 40. United States Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 41. Canada Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 42. Mexico Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 43. Brazil Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 44. APAC Solid Oxide Fuel Cell (SOFC) Sales Market Share by Region in 2023

Figure 45. APAC Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Regions in 2023

Figure 46. APAC Solid Oxide Fuel Cell (SOFC) Sales Market Share by Type (2019-2024)

Figure 47. APAC Solid Oxide Fuel Cell (SOFC) Sales Market Share by Application (2019-2024)

Figure 48. China Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 49. Japan Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 50. South Korea Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$

Millions)

Figure 51. Southeast Asia Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 52. India Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 53. Australia Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 54. China Taiwan Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 55. Europe Solid Oxide Fuel Cell (SOFC) Sales Market Share by Country in 2023

Figure 56. Europe Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Country in 2023

Figure 57. Europe Solid Oxide Fuel Cell (SOFC) Sales Market Share by Type (2019-2024)

Figure 58. Europe Solid Oxide Fuel Cell (SOFC) Sales Market Share by Application (2019-2024)

Figure 59. Germany Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 60. France Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 61. UK Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 62. Italy Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 63. Russia Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 64. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales Market Share by Country in 2023

Figure 65. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Revenue Market Share by Country in 2023

Figure 66. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales Market Share by Type (2019-2024)

Figure 67. Middle East & Africa Solid Oxide Fuel Cell (SOFC) Sales Market Share by Application (2019-2024)

Figure 68. Egypt Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 69. South Africa Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 70. Israel Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 71. Turkey Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$ Millions)

Figure 72. GCC Country Solid Oxide Fuel Cell (SOFC) Revenue Growth 2019-2024 (\$



Millions)

Figure 73. Manufacturing Cost Structure Analysis of Solid Oxide Fuel Cell (SOFC) in 2023

Figure 74. Manufacturing Process Analysis of Solid Oxide Fuel Cell (SOFC)

Figure 75. Industry Chain Structure of Solid Oxide Fuel Cell (SOFC)

Figure 76. Channels of Distribution

Figure 77. Global Solid Oxide Fuel Cell (SOFC) Sales Market Forecast by Region (2025-2030)

Figure 78. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share Forecast by Region (2025-2030)

Figure 79. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share Forecast by Type (2025-2030)

Figure 80. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share Forecast by Type (2025-2030)

Figure 81. Global Solid Oxide Fuel Cell (SOFC) Sales Market Share Forecast by Application (2025-2030)

Figure 82. Global Solid Oxide Fuel Cell (SOFC) Revenue Market Share Forecast by Application (2025-2030)

## I would like to order

Product name: Global Solid Oxide Fuel Cell (SOFC) Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/G5A941F4F7FEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5A941F4F7FEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970