

# Global Solid Oxide Electrolyzer Cell (SOEC) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Solid Oxide Electrolyzer Cell (SOEC) market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

A Solid Oxide Electrolyzer Cell (SOEC) is a type of electrochemical device that uses solid oxide electrolyte to split water into hydrogen and oxygen molecules. It is essentially the reverse of a Solid Oxide Fuel Cell (SOFC).

This report is a detailed and comprehensive analysis for global Solid Oxide Electrolyzer Cell (SOEC) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Solid Oxide Electrolyzer Cell (SOEC) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Solid Oxide Electrolyzer Cell (SOEC) market size and forecasts by region and

country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Solid Oxide Electrolyzer Cell (SOEC) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Solid Oxide Electrolyzer Cell (SOEC) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Solid Oxide Electrolyzer Cell (SOEC)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Solid Oxide Electrolyzer Cell (SOEC) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sunfire GmbH, Siemens Energy, ITM Power, Ceres Power and Elcogen, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Solid Oxide Electrolyzer Cell (SOEC) market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

## Market segment by Type

Planar SOECs

Tubular SOECs

#### Market segment by Application

Hydrogen Production

Energy Storage

Chemical Production

Steel Production

Carbon Capture

Others

#### Major players covered

Sunfire GmbH

Siemens Energy

ITM Power

Ceres Power

Elcogen

Kyocera Corporation

NextCell

FuelCell Energy

Bloom Energy

Hexis AG

Toshiba

Versa Power Systems

KERAFOL Keramische Folien GmbH

TDK Electronics AG

Staxera

GreenHydrogen

Plansee SE

IHT Industrie Haute Technologie

Nexceris

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 Solid Oxide Electrolyzer Cell (SOEC) product scope, market

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overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Solid Oxide Electrolyzer Cell (SOEC), with price, sales, revenue and global market share of Solid Oxide Electrolyzer Cell (SOEC) from 2018 to 2023.

Chapter 3, the Solid Oxide Electrolyzer Cell (SOEC) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Solid Oxide Electrolyzer Cell (SOEC) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and Solid Oxide Electrolyzer Cell (SOEC) market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Solid Oxide Electrolyzer Cell (SOEC).

Chapter 14 and 15, to describe Solid Oxide Electrolyzer Cell (SOEC) sales channel, distributors, customers, research findings and conclusion.

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