

Global Solid Oxide Electrolysis Cell (SOEC) Market Growth (Status and Outlook) 2023-2029

<https://marketpublishers.com/r/G656E64B08E0EN.html>

Date: March 2023

Pages: 85

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

ID: G656E64B08E0EN

Abstracts

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

A Solid Oxide Electrolysis Cell (SOEC) is basically the corresponding fuel cell (Solid Oxide Fuel Cell – SOFC) run in ‘reverse’. Such a cell operates at relatively high temperatures (700-1000 °C), which makes the efficiency very high. The two electrolysis products, hydrogen and oxygen, are formed on each side of the cell. SOECs may be used for the production of hydrogen from surplus electricity generated by, e.g., wind turbines.

According to this study, the global Solid Oxide Electrolysis Cell (SOEC) market size will reach US\$ million by 2029.

This report presents a comprehensive overview, market shares, and growth opportunities of Solid Oxide Electrolysis Cell (SOEC) market by product type, application, key players and key regions and countries.

Segmentation by product type:

Oxygen Ion Conducting

Proton Conducting

Segmentation by Application:

Power Plants

Steel Plant

Electronics and Photovoltaics

Industrial Gases

Others

This report also splits the market by region:

United States

China

Europe

Other regions:

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

OxEon Energy

Sunfire

Hoganas AB

Nexceris

Bosch

Haldor Topsoe

FuelCell Energy

Toshiba

Redox Power Systems

Keramische Folien GmbH

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