

Global Gas Diffusion Electrode (GDE) Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Gas Diffusion Electrode (GDE) market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Gas diffusion electrode (GDE) is a special type of electrode that typically consists of a gas diffusion layer, an electrode catalyst layer, and an electrode support layer. Its main function is to convert gaseous reactants (such as hydrogen, oxygen, etc.) into electrical current for electrochemical energy conversion or electrochemical reaction studies. The gas diffusion layer is responsible for evenly distributing the gas to the electrode catalyst layer, while the electrode catalyst layer is the main reaction region of the gas diffusion electrode, typically employing noble metal or non-noble metal catalysts. The electrode support layer provides mechanical stability, conductivity, and channels for transporting reaction products. Gas diffusion electrodes are widely used in electrochemical fields such as fuel cells and hydrogen production by water electrolysis.

This report studies the global Gas Diffusion Electrode (GDE) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gas Diffusion Electrode (GDE), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Gas Diffusion Electrode (GDE) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Gas Diffusion Electrode (GDE) total production and demand, 2018-2029, (K

Units)

Global Gas Diffusion Electrode (GDE) total production value, 2018-2029, (USD Million)

Global Gas Diffusion Electrode (GDE) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Gas Diffusion Electrode (GDE) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Gas Diffusion Electrode (GDE) domestic production, consumption, key domestic manufacturers and share

Global Gas Diffusion Electrode (GDE) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Gas Diffusion Electrode (GDE) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Gas Diffusion Electrode (GDE) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Gas Diffusion Electrode (GDE) 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 Sainergy Tech, Inc, Gaskatel, NovoCell, pH Matter, Yangtze Energy Technologies, Inc. and De Nora, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Gas Diffusion Electrode (GDE) market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by

year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Gas Diffusion Electrode (GDE) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gas Diffusion Electrode (GDE) Market, Segmentation by Type

Carbon-Based GDE

Metal-Based GDE

Polymer-Based GDE

Global Gas Diffusion Electrode (GDE) Market, Segmentation by Application

Fuel Cells

Metal-air Batteries

Electrochemical Sensors

Others

Companies Profiled:

Sainergy Tech, Inc

Gaskatel

NovoCell

pH Matter

Yangtze Energy Technologies, Inc.

De Nora

Key Questions Answered

1. How big is the global Gas Diffusion Electrode (GDE) market?
2. What is the demand of the global Gas Diffusion Electrode (GDE) market?
3. What is the year over year growth of the global Gas Diffusion Electrode (GDE) market?
4. What is the production and production value of the global Gas Diffusion Electrode (GDE) market?
5. Who are the key producers in the global Gas Diffusion Electrode (GDE) market?
6. What are the growth factors driving the market demand?

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Figure 50. Gas Diffusion Electrode (GDE) Sales Model

Figure 51. Gas Diffusion Electrode (GDE) Sales Channels, Direct Sales, and Distribution

Figure 52. Methodology

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