

Global Bipolar Plates Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Bipolar Plates market size is expected to reach \$ 1838.4 million by 2029, rising at a market growth of 21.2% CAGR during the forecast period (2023-2029).

Global core bipolar plates manufacturers include Dana and Cell Impact. The top 5 companies hold a share about 45%. China is the largest market, with a share about 37%. In terms of product, Graphite is the largest segment, with a share about 60%. And in terms of application, the largest application is Proton Exchange Membrane Fuel Cells (PEMFC), followed by Solid Oxide Fuel Cells (SOFC).

Bipolar Plates are one of the core components of the fuel cells, which accounts for a large portion of the quality and cost of the battery pack. It is responsible for the functions of uniform distribution of reaction gas, conduction of current, and series of single cells. In order to meet these functional requirements, the ideal bipolar plate should have high thermal/electrical conductivity, corrosion resistance, low density, good mechanical properties, low cost, and easy processing. However, the current bipolar plates have problems such as poor corrosion resistance and conductivity, high production costs and short lifespan. Realizing the reasonable matching of the conductivity and corrosion resistance of the bipolar plate material, that is, achieving high corrosion resistance under the premise of ensuring reasonable conductivity, ensuring the service life of the entire system, is one of the key steps in the commercialization of fuel cells.

This report studies the global Bipolar Plates production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Bipolar Plates, 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 Bipolar Plates that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Bipolar Plates total production and demand, 2018-2029, (K Pcs)

Global Bipolar Plates total production value, 2018-2029, (USD Million)

Global Bipolar Plates production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Pcs)

Global Bipolar Plates consumption by region & country, CAGR, 2018-2029 & (K Pcs)

U.S. VS China: Bipolar Plates domestic production, consumption, key domestic manufacturers and share

Global Bipolar Plates production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Pcs)

Global Bipolar Plates production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Pcs)

Global Bipolar Plates production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Pcs).

This reports profiles key players in the global Bipolar Plates 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 Dana, Cell Impact, Schunk Group, Nisshinbo, FJ Composite, Ballard, ElringKlinger, VinaTech (Ace Creation) and LEADTECH International, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Bipolar Plates market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Pcs) and average price (US\$/Pcs) 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 Bipolar Plates Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Bipolar Plates Market, Segmentation by Type

Graphite

Metal

Composite

Global Bipolar Plates Market, Segmentation by Application

Proton Exchange Membrane Fuel Cells (PEMFC)

Solid Oxide Fuel Cells (SOFC)

Molten Carbonate Fuel Cells (MCFC)

Phosphoric Acid Fuel Cells (PAFC)

Others

Companies Profiled:

Dana

Cell Impact

Schunk Group

Nisshinbo

FJ Composite

Ballard

ElringKlinger

VinaTech (Ace Creation)

LEADTECH International

SGL Carbon

Shanghai Hongfeng

Dongguan Jiecheng Graphite Products

Shanghai Hongjun

Shanghai Shenli

Shenzhen Jiayu

Anhui Mingtian

Guangdong Nation-Synergy

Hunan Zenpon

Shanghai Yoogle

Shanghai Zhizhen

Zhejiang Harog

Key Questions Answered

1. How big is the global Bipolar Plates market?
2. What is the demand of the global Bipolar Plates market?
3. What is the year over year growth of the global Bipolar Plates market?
4. What is the production and production value of the global Bipolar Plates market?
5. Who are the key producers in the global Bipolar Plates market?

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