

# Global Ultra High Power (UHP) Graphite Electrodes Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G6231B6CD09GEN.html>

Date: July 2024

Pages: 119

Price: US\$ 3,480.00 (Single User License)

ID: G6231B6CD09GEN

## Abstracts

According to our (Global Info Research) latest study, the global Ultra High Power (UHP) Graphite Electrodes market size was valued at USD 6675.8 million in 2023 and is forecast to a readjusted size of USD 10310 million by 2030 with a CAGR of 6.4% during review period.

UHP graphite electrode is made of high-grade needle coke and treated with Lengthwise Graphitization (LWG). The graphitization temperature can be up to 2800 °C – 3000 °C. Finished products have lower electrical resistance & linear expansion, good thermal shock resistance and allow a larger current density.

Global UHP Graphite Electrode key players include Showa Denko K.K, FANGDA CARBON, GrafTech, Graphite India Limited (GIL), Tokai Carbon, etc. Global top five manufacturers hold a share over 65%.

Asia-Pacific is the largest market, with a share above 50%, followed by Europe, and North America, both have a share nearly 40 percent.

In terms of product, 500mm-700mm is the largest segment, with a share nearly 40%. And in terms of application, the largest application is Electric Arc Furnace Steel.

The Global Info Research report includes an overview of the development of the Ultra High Power (UHP) Graphite Electrodes industry chain, the market status of Steel (99.8% Fixed Carbon, 99.9% Fixed Carbon), Electrical (99.8% Fixed Carbon, 99.9% Fixed Carbon), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Ultra High

## Power (UHP) Graphite Electrodes.

Regionally, the report analyzes the Ultra High Power (UHP) Graphite Electrodes markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Ultra High Power (UHP) Graphite Electrodes market, with robust domestic demand, supportive policies, and a strong manufacturing base.

### Key Features:

The report presents comprehensive understanding of the Ultra High Power (UHP) Graphite Electrodes market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Ultra High Power (UHP) Graphite Electrodes industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., 99.8% Fixed Carbon, 99.9% Fixed Carbon).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Ultra High Power (UHP) Graphite Electrodes market.

**Regional Analysis:** The report involves examining the Ultra High Power (UHP) Graphite Electrodes market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Ultra High Power (UHP) Graphite Electrodes market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Ultra High Power (UHP) Graphite Electrodes:

**Company Analysis:** Report covers individual Ultra High Power (UHP) Graphite Electrodes manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Ultra High Power (UHP) Graphite Electrodes. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Steel, Electrical).

**Technology Analysis:** Report covers specific technologies relevant to Ultra High Power (UHP) Graphite Electrodes. It assesses the current state, advancements, and potential future developments in Ultra High Power (UHP) Graphite Electrodes areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Ultra High Power (UHP) Graphite Electrodes market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Ultra High Power (UHP) Graphite Electrodes 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.

### Market segment by Type

99.8% Fixed Carbon

99.9% Fixed Carbon

Others

## Market segment by Application

Steel

Electrical

Others

## Major players covered

GrafTech

SGL Carbon

Fangda Carbon

Showa Denko

Jilin Carbon

Graphite India Limited

Tokai Carbon

HEG

Nippon Carbon

Energoprom Group

SEC Carbon

Yangzi Carbon

Shida Carbon

Toray Carbon

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 Ultra High Power (UHP) Graphite Electrodes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ultra High Power (UHP) Graphite Electrodes, with price, sales, revenue and global market share of Ultra High Power (UHP) Graphite Electrodes from 2019 to 2024.

Chapter 3, the Ultra High Power (UHP) Graphite Electrodes competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ultra High Power (UHP) Graphite Electrodes breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023. and Ultra High Power (UHP) Graphite Electrodes market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Ultra High Power (UHP) Graphite Electrodes.

Chapter 14 and 15, to describe Ultra High Power (UHP) Graphite Electrodes sales channel, distributors, customers, research findings and conclusion.

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