

Global Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent market size was valued at USD 830.3 million in 2023 and is forecast to a readjusted size of USD 7432.5 million by 2030 with a CAGR of 36.8% during review period.

The current preparation methods of CNT mainly include chemical vapor deposition (CVD), laser evaporation, graphite arc method, and hydrothermal method. However, due to the shortcomings of high cost and difficulty in industrial production for the latter three, CNT manufacturers use choose to use CVD. Carbon nanotubes (CNTs), including multi-walled CNTs (MWCNTs) and single-walled CNTs (SWCNTs), are employed as conductive additives in lithium ion batteries. CNT paste is a new highly efficient conductive agent for Li-ion Battery, which can replace the traditional conductive agents such as carbon black, graphite & carbon fibre. It has some excellent characteristics of high LD ratio, big SSA value & low volume resistivity, can be used in various specifications of electrode materials, such as LFP, LCO, LMN, NCM, graphite, etc.

Global key manufacturers of lithium-Ion battery CNT (Carbon Nano Tube) conductive agent include Tenneco, OCSiAI, SUSN Nano (Cabot Corporation), Qingdao Haoxin New Energy, Wuxi Dongheng New Energy, etc. The top five manufacturers together account for more than 70% of the market share. The global origins are mainly distributed in North America, Europe, China, Japan and South Korea. Asia Pacific is the world's leading consumption market for lithium-Ion battery carbon nano tube conductive agents, with a market share of more than 75%. In terms of type, multi-walled carbon nanotubes have a market share of more than 80%. In terms of application, the market



share of power lithium battery for EVs reaches more than 60%; followed by lithium battery for 3C products.

The Global Info Research report includes an overview of the development of the Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent industry chain, the market status of Lithium-Ion Battery for EVs (Multi-walled Carbon Nanotubes (MWCNTs), Single-walled Carbon Nanotubes (SWCNTs)), Lithium-Ion Battery for 3C Products (Multi-walled Carbon Nanotubes (MWCNTs), Single-walled Carbon Nanotubes (SWCNTs)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent.

Regionally, the report analyzes the Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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 Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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 Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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 (Tons), revenue generated, and market share of different by Type (e.g., Multi-walled Carbon Nanotubes (MWCNTs), Single-walled Carbon Nanotubes (SWCNTs)).

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 Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent market.



Regional Analysis: The report involves examining the Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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 Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent:

Company Analysis: Report covers individual Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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 Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Lithium-Ion Battery for EVs, Lithium-Ion Battery for 3C Products).

Technology Analysis: Report covers specific technologies relevant to Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent. It assesses the current state, advancements, and potential future developments in Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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

Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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

Multi-walled Carbon Nanotubes (MWCNTs)

Single-walled Carbon Nanotubes (SWCNTs)

Market segment by Application

Lithium-Ion Battery for EVs

Lithium-Ion Battery for 3C Products

Lithium-Ion Battery for Energy Storage Systems

Major players covered

Jiangsu Cnano Technology

SUSN Nano (Cabot Corporation)

OCSIAI

Qingdao Haoxin New Energy

Wuxi Dongheng

LG Chem

Shenzhen Jinbaina Nanotechnology



Nanocyl Kumho Petrochemical ANP(Advanced Nano Products) Showa Denko Arkema Dongjin Semichem Toyo Color Shenzhen Nanotech Port 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 Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent, with price, sales, revenue and global market share of Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent from 2019 to 2024.



Chapter 3, the Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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 Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent 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 Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent.

Chapter 14 and 15, to describe Lithium-Ion Battery CNT (Carbon Nano Tube) Conductive Agent sales channel, distributors, customers, research findings and conclusion.



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