

Global Automotive Ultracapacitor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Ultracapacitor market size was valued at US\$ 904 million in 2024 and is forecast to a readjusted size of USD 1358 million by 2031 with a CAGR of 6.1% during review period.

Ultracapacitors are electronic devices which are used in the automobile market for the storage of electric energy. They are sometimes called Supercapacitors, which are energy storage devices that offer high power density, fast charging, and discharging with long life. It is not a new technology, but it has reached a point where it can be implemented in various industries. Ultracapacitors are more efficient than batteries, however, they are used with batteries in cars to increase fuel efficiency. Several new advancements in the field of EVs have been made recently. Newer technologies and developments have been adopted by EVs. To accomplish the stop function, automotive Ultracapacitors are installed on the vehicle. This feature saves fuel by turning off the vehicle's engine while it is stopped and restarting it when the brakes are released. Automotive ultracapacitors are mostly utilised in EVs and hybrid cars to store energy and provide it to the engine during peak demand. Automotive ultracapacitors are primarily used to improve vehicle performance by improving fuel efficiency and lowering hazardous emissions by extending vehicle life. They have a number of advantages, including increased fuel efficiency, longer battery life, and lower greenhouse gas emissions. The market share for the Automotive Ultracapacitors is constantly increasing with the adoption of modern technologies by electric vehicles, increasing demand for electric vehicles, and the various benefits offered by the Ultracapacitors.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their

peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

This report is a detailed and comprehensive analysis for global Automotive Ultracapacitor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Automotive Ultracapacitor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Ultracapacitor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Ultracapacitor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Ultracapacitor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Automotive Ultracapacitor

To forecast future growth in each product and end-use market
To forecast future factors affecting the marketplace

This report profiles key players in the global Automotive Ultracapacitor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Maxwell Technologies, Nesscap Ultracapacitors, Skeleton Technologies, ELNA America Inc., Ioxus Inc, LS Mtron, Yunasko, Panasonic, Tesla, NAWA Technologies, etc.

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

Market Segmentation

Automotive Ultracapacitor market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Electrostatic Double-Layer Capacitors

Hybrid Capacitors

Market segment by Application

Automotive

Industrial Electrical Motors

Others

Major players covered

Maxwell Technologies

Nesscap Ultracapacitors

Skeleton Technologies

ELNA America Inc.

Ioxus Inc

LS Mtron

Yunasko

Panasonic

Tesla

NAWA Technologies

SPEL Technologies

Nippon Chemi-Con

CAP-XX

NEC-Tokin

Kemet Corporation

Sumitomo Corporation

Hitachi AIC Inc.

ELNA America Inc.

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 Automotive Ultracapacitor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Ultracapacitor, with price, sales quantity, revenue, and global market share of Automotive Ultracapacitor from 2020 to 2025.

Chapter 3, the Automotive Ultracapacitor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Ultracapacitor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Automotive Ultracapacitor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Automotive Ultracapacitor.

Chapter 14 and 15, to describe Automotive Ultracapacitor sales channel, distributors, customers, research findings and conclusion.

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