

Supercapacitor Market by Product Type (Double-Layer Capacitor, Pseudocapacitors, and Hybrid Capacitors), Module Type (Less Than 10 Volts Modules, 10 Volts to 25 Volts Modules, 25 Volts to 50 Volts Modules, 50 Volts to 100 Volts Modules, and Above 100 Volts Modules), Material (Activated carbon, Carbide Derived Carbon, Carbon Aerogel, and Others), and Application (Automotive, Industrial, Energy, Consumer Electronics, and Aerospace & Defense): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

The global supercapacitor market size is expected to reach \$16.95 billion by 2027 from \$3.27 billion in 2019, growing at a CAGR of 23.3% from 2020 to 2027.

Supercapacitor is a new energy storage technology that is developed heavily in modern times to provide significant industrial and economic advantages. In addition, supercapacitors store energies in their electric field, but in case of batteries chemical compounds are used to store energies. In addition, owing to of their advantage of quick charging and dis charging supercapacitors are expected to enter the battery market.

The prominent factor that drives the supercapacitor market growth such as rise in demand for supercapacitors in automotive applications. There are several qualities, such as long shelf life, high power density, and fast charging function that supercapacitors feasible for automotive applications. In addition, rise in demand for

renewable energy systems and favorable government regulations are expected to boost the market growth. Long-term rise in worldwide gasoline prices have led governments to lay down regulations, which promote environmentally friendly and fuel-efficient means of transportation. However, high initial costs of materials and low awareness of supercapacitors are anticipated to hamper growth of the market. Moreover, owing to their extended operational life, supercapacitors are widely used in solar and wind energy applications. Moreover, growth in demand for micro supercapacitors is expected to offer lucrative opportunities for growth of the supercapacitor market in the future.

The global supercapacitor market is analyzed by product type, module type, material, application, and region. By product type, it is fragmented into double-layer capacitors, pseudocapacitors, and hybrid capacitors. The pseudocapacitors segment dominated the market in terms of revenue in 2019, and is expected to follow the same trend during the forecast period. By module type, the market is segregated into less than 10 volts modules, 10 volts to 25 volts modules, 25 volts to 50 volts modules, 50 volts to 100 volts modules, and above 100 volts modules. The 10 volts to 25 volts modules segment accounted for the highest market share in 2019, whereas the above 100 volts modules segment is expected to grow at the highest CAGR from 2020 to 2027. By material, the market is classified into activated carbon, carbide derived carbon, carbon aerogel, and others. By application, it is categorized into automotive, industrial, energy, consumer electronics, and aerospace & defense. .

By region, the market trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (the UK, Germany, France, Italy, and rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa). Asia-Pacific accounted for the highest share in 2019, owing to increase in automotive business and growth in the electronic sector in China and India have fostered the supercapacitor market growth in recent years. North America was the second largest contributor, in terms of revenue, and is expected to witness significant growth during the forecast period, owing to demand for supercapacitors in large and mid-sized automotive industries has supplemented the growth for supercapacitors.

Competitive analysis and profiles of the major supercapacitor market players, such as AVX Corporation, Panasonic Corporation, Cap-XX Limited, SPEL Technologies Private Limited, Nippon Chemi-Con Corporation, Skeleton Technologies, Ioxus Inc., LS Mtron Ltd., Evans Capacitor Company, and KORCHIP Corporation are provided in this report

KEY MARKET SEGMENTS

BY PRODUCT TYPE

Double-Layer Capacitor

Pseudocapacitors

Hybrid Capacitors

BY MODULE TYPE

Less Than 10 Volts Modules

10 Volts To 25 Volts Modules

25 Volts To 50 Volts Modules

50 Volts To 100 Volts Modules

Above 100 Volts Modules

BY MATERIAL

Activated carbon

Carbide derived carbon

Carbon aerogel

Others

BY APPLICATION

Automotive

Industrial

Energy

Consumer Electronics

Aerospace and Defense

BY REGION

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

KEY PLAYERS

AVX Corporation

Panasonic Corporation

Cap-XX Limited

SPEL Technologies Private Limited

Nippon Chemi-Con Corporation

Skeleton Technologies

Ioxus Inc.

LS Mtron Ltd.

Evans Capacitor Company

KORCHIP Corporation

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COMPANIES MENTIONED

AVX Corporation, Panasonic Corporation, Cap-XX Limited, SPEL Technologies Private

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