

# Global Supercapacitors Market – Products, Modules and Applications

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## Abstracts

### REPORT SYNOPSIS

The global market for supercapacitors is the largest, as also the fastest growing, in Asia-Pacific. However, the adverse impact upon every industry caused by the Covid-19 outbreak in China in December 2019 has left its mark on the demand for supercapacitors also. While before the incidence of this pandemic the market for supercapacitors presented a rosy picture, with high double-digit growth rates in the range of 25%-35%, these trends would now be difficult to sustain. Countries across the globe are facing challenging medium-term futures and recovery could take anywhere from one to three years, again based on what the trajectory of a particular region's economy was before this devastating outbreak.

Western Europe and the United States seem to have been more badly affected than Asian regions, though it is still early days as far as any abatement of the contagion is expected. However, many countries have now started opening up their industrial activity in a bid to revive sagging markets and hopefully others, too, would join in and make this a concerted effort.

The Automotive & Transportation sector is expected to be the fastest growing market for Supercapacitors, the global demand for which is anticipated to compound annually at 16.6% during 2019-2026 in reaching a projected US\$2.7 billion by 2026. The overall global market for Supercapacitors is expected to exceed US\$3 billion in 2020.

### Research Findings & Coverage

Supercapacitors global market research report analyzes the market with respect

to product types, module types and end-use vertical

The market size of Supercapacitors is estimated in this report by product type, module type and end-use vertical across all major countries

Revolutionary Supercapacitor with Ten Times More Energy Density Developed

Carbon Nanowalls and Carbon Nanotubes the Latest Advancements in Supercapacitors

Thanks to Supercapacitors, Potential for Battery-Free Electric Cars Bright

Metal Nanoparticles in Paper-Based Supercapacitors Enable in Improving Energy Density

Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments

Major companies profiled – 35

The industry guide includes the contact details for 101 companies

## **PRODUCT OUTLINE**

The market for key product types of Supercapacitors studied in this report comprise the following:

Electrochemical Double-Layer Capacitors (EDLCs)

Hybrid Capacitors

Pseudo Capacitors

The report analyzes the market for the following module types of Supercapacitors:

Below 10 Volts

10-25 Volts

25-50 Volts

50-100 Volts

Above 100 Volts

The report analyzes the market for the following vertical sectors of Supercapacitors:

Aerospace

Military & Defense

Automotive & Transportation

Consumer Electronics

Energy

Industrial

Others

#### Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Supercapacitors market for the period 2017-2026 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2019 through 2026.

#### Geographic Coverage

North America (The United States, Canada and Mexico)

Europe (France, Germany, Italy, Russia, Spain, the United Kingdom and Rest of Europe)

Asia-Pacific (Asia-Pacific – China, India, Japan, South Korea and Rest of Asia-Pacific)

South America (Argentina, Brazil and Rest of South America)

Rest of World

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Ioxus Inc (United States)  
KEMET Electronics Corporation (United States)  
Korchip Corporation (South Korea)  
LS Mtron Ltd. (South Korea)  
LS Ultracapacitor (South Korea)  
Maxwell Technologies, Inc. (United States)  
Nesscap Co., Ltd (South Korea)  
Panasonic Corporation (Japan)  
SEIKO Instruments, Inc. (Japan)  
Skeleton Technologies GmbH (Germany)  
SPEL Technologies Private Ltd. (India)  
Tecate Group (United States)  
Vinatech Co., Ltd. (South Korea)  
Yunasko Ltd (United Kingdom)

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Murata Makes Two New Multilayer Ceramic Capacitors for Automotive Applications  
Ioxus Acquired by XS Power Batteries  
Skeleton Technologies Unveils SkelMod 131V Ultracapacitor  
Kyocera Corporation Acquires AVX Corporation  
Skeleton Technologies Develops SkelMod 17V 533F Ultracapacitor Module  
Skeleton Technologies to Supply Ultracapacitor Modules to Attabotics, Inc  
Skeleton Technologies and Medcom Join Hands on Ultracapacitors  
VINATech Participates in JAPAN International Exhibition  
Evans Capacitor Company Receives \$7 Million in Follow on Orders from Northrop Grumman  
Skeleton Technologies Unveils SkelCap SCA0300 Ultracapacitor  
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VINATech Unveils New 3.8V Hybrid Capacitors VPC Series  
Chengdu OK New Energy Acquired by AVX Corporation

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Dimac Red S.p.A and Skeleton Technologies Collaborate  
Brush Traction Selects Skeleton Technologies for Ultracapacitors  
Nanoramic Laboratories Closed a Series D \$5 Million Investment Round  
Eaton's XLM Supercapacitor Completes the CE Mark Self-Certification  
Skeleton Technologies and MJR Commercialize Ultracapacitors  
AVX Increases Maximum Operating Temperatures for TWD High-Temp Max-Cap Supercapacitors  
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Maxwell Joined Forces with Zhejiang Geely Holding Group  
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Industry's First 3V Thin Prismatic Supercapacitors Developed by CAP-XX  
Panasonic's Gold Caps to be Replaced by Korchip Supercapacitors  
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Successful Launch of Two Space Satellites Using Enhanced HCCCap Supercapacitor Power Supply  
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CAP-XX's First Large Order for Mass Produced Thinline Supercapacitors  
L3-HAPLS Petawatt Laser System Delivered to ELI Beamlines Research Center  
LS Mtron Introduces New LSUC 3.0V 100F Snap-in Type Cell  
NEC TOKIN Acquired by KEMET  
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KEMET Electronics Corporation (United States)

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  - LS Mtron Ltd. (South Korea)
  - LS Ultracapacitor (South Korea)
  - Murata Manufacturing Co., Ltd. (Japan)
  - Nantong Jianghai Capacitor Co., Ltd. (China)
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  - Nippon Chemi-Con Corporation (Japan)
  - Panasonic Corporation (Japan)

SEIKO Instruments, Inc. (Japan)  
Seattle Electronics Manufacturing Group (HK) Co., Ltd (China)  
Shanghai Aowei Technology Development Co., Ltd. (China)  
Shanghai Green Tech Co Ltd (GTCAP) (China)  
Shanghai Pluspark Electronics Co., Ltd. (China)  
Shenzhen Topmay Electronic Co., Ltd (China)  
SPEL Technologies Private Ltd. (India)  
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