

Global Supercapacitors Market – Products, Modules and Applications

<https://marketpublishers.com/r/G8038C669B0DEN.html>

Date: May 2020

Pages: 332

Price: US\$ 4,500.00 (Single User License)

ID: G8038C669B0DEN

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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CAP-XX LTD (AUSTRALIA)
Eaton Corporation Plc (Ireland)
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

Integration of Maxwell's Ultracapacitor Business into Tesla
Skeleton Technologies Agrees to Supply Ultracapacitors to Kodak Electric
Latest Release of the XLR-51 Supercapacitor Module by Eaton
Maxwell Technologies Acquired by Tesla
United Energy Inaugurates Research & Development Production Base for Ultracapacitors
First Successful Space Launch of HCCCap Space-grade Super Capacitor Power Supply System
Wuxi Murata to Establish New Capacitor Production Center
HCC Energy Tech. Co., Ltd Starts Construction of R & D and Production Base for HCCCap
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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
Menestor S.r.o and Skeleton Technologies Enter into Partnership
Maxwell Joined Forces with Zhejiang Geely Holding Group
FastCAP Systems is Now Nanoramic Laboratories
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
Launch of NTU-Blue Solutions Flash Shuttle Equipped with Supercapacitors and a LMP Battery
Launch of Beijing Hezhong Huineng Technology's HCCCap Integrated Supercapacitor Backup Power Module
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
Launch of CAP-XX's First Compact Cylindrical Supercapacitors
Skeleton Technologies Opens the Largest Supercapacitor Facility in Europe
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Evans Capacitor Company (United States)

IOXUS Inc (United States)

KEMET Electronics Corporation (United States)

Maxwell Technologies, Inc. (United States)

Mouser Electronics, Inc. (United States)

Nanoramic Laboratories (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)
 - Nesscap Co., Ltd (South Korea)
 - 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)
Supreme Power Solutions Co., Ltd (China)
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