

# **Global Pseudocapacitor Market Size study, by Type (Intercalation Pseudocapacitor, Redox Pseudocapacitor), by Material (Manganese Oxide Based Pseudocapacitor, Ruthenium Oxide Based Pseudocapacitor), by Application (Automotive, Energy, Consumer Electronics, Medical, Others) and Regional Forecasts 2020-2027**

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## **Abstracts**

Global Pseudocapacitor Market is valued at approximately at USD XX million in 2019 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2020-2027. The pseudo capacitor, also referred to as faradic supercapacitors, is a part of an electrochemical capacitor that stores electric energy faradaically via electron charge transfer among electrolytes and electrodes. Pseudo capacitors are usually electrochemical-based, that use conducting polymer electrodes or metal oxide with an excessive amount of electrochemical pseudocapacitance additional to the double-layer capacitance. The amount of electric charge accumulated in a pseudo capacitor is linearly proportionate to the used voltage. Further, the Pseudocapacitor uses electromagnetic and electrochemical energy storage technologies, which are being extensively used in devices, such as portable electronic devices, that are proficient in demonstrating high energy density. The rise in production & sales of consumer electronics, along with the rise in usage of pseudocapacitors in renewable generation energy plants are the few factors responsible for the CAGR of the market during the forecast period. Moreover, the pseudo capacitor is increasingly used in medical devices since they generally use non-toxic and biocompatible materials and often have miniature size & mechanical flexibility. According to Statista, global medical device production was estimated at around USD 679 billion in 2016 that is increased to almost USD 786 billion in 2018. Also, it is projected that the production of medical

devices is likely to grow with around USD 894 billion by the year 2020. Thus, the constant rise in the production of medical devices is expected to accelerate the demand for pseudocapacitors across the globe. However, the high cost of the material and complications of overheating and low energy density are the major factors restraining the market growth over the forecast period of 2020-2027.

The regional analysis of the global Pseudocapacitor market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia-pacific is the leading/significant region across the world in terms of market share owing to the increase in the adoption of electric vehicles and portable electronic devices, along with the presence of a significant number of manufacturers in the region. Whereas Asia-Pacific is also anticipated to exhibit the highest growth rate / CAGR over the forecast period 2020-2027.

Major market player included in this report are:

Maxwell Technologies Inc.

Nesscap Co. Ltd.

Panasonic Corporation

Ioxus, Inc.

Nippon Chemi-Con Corporation

Yunasko

Supreme Power Solutions Co., Ltd.

LS Mtron

Tokin Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Intercalation Pseudocapacitor

Redox Pseudocapacitor

By Material:

Manganese Oxide Based Pseudocapacitor  
Ruthenium Oxide Based Pseudocapacitor

By Application:

Automotive  
Energy  
Consumer Electronics  
Medical  
Others

By Region:

North America  
U.S.  
Canada  
Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Asia Pacific

China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global Pseudocapacitor Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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Panasonic Corporation  
Ioxus, Inc.  
Nippon Chemi-Con Corporation  
Yunasko  
Supreme Power Solutions Co., Ltd.  
LS Mtron  
Tokin Corporation

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