Global and China Supercapacitor Industry Report, 2016-2020

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STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

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Abstract

Supercapacitor, an electrochemical energy storage device between conventional capacitor and secondary battery, is characterized by short charging/discharging time, long service life, good temperature property, energy saving, and environmental friendliness, and can partly replace traditional chemical battery.

Global supercapacitor industry has grown slower than lithium battery industry in recent years, largely due to lukewarm capital support for supercapacitor from governments and investors. Global supercapacitor market size reached about RMB28.36 billion in 2015 and is predicted to maintain a growth rate of around 20% over the next five years.

Globally, supercapacitor is primarily applied to consumer electronics and transportation, which made up 47% and 29% of total supercapacitor consumption respectively in 2015. The demand for supercapacitor from transportation, particularly electric vehicles, has risen rapidly and is expected to account for roughly 41% in 2020, becoming the largest application field of supercapacitor.

The United States, Russia, and Japan have always topped the global supercapacitor market and led technological level in the world. Major companies include U.S. Maxwell Technologies, Japanese NEC-Tokin and Panasonic, Russian Econd and ELIT, and South Korean NessCap. China, a late starter in supercapacitor industry which is still in its infancy, sees about 60% of its domestic demand rely on imports. The Chinese supercapacitor market size approximated RMB3.7 billion in 2015, seizing 13.0% of the global market.

In China, supercapacitor has developed rapidly in urban public transportation and rail transit fields with internationally leading technologies. For example, the first supercapacitor bus and its fast charging station system which are up to the world's advanced level were completed in Zhangjiang High-Tech Park, Shanghai in 2004; the first supercapacitor bus model line --No. 11 bus route was completed in Shanghai in 2006, becoming the first commercially-operated supercapacitor bus route in the world.

Nowdays, only 10-plus out of more than 60 enterprises engaged in R&D and production of supercapacitor in China can mass-produce practical products. Major powerful companies consist of Nantong Jianghai Capacitor Co. Ltd., SPSCAP, Shanghai Aowei Technology Development Co., Ltd., Bainacap Supercapacitors, Harbin Jurong New Power Co., Ltd., and Jinzhou Kaimei Power Co., Ltd.

Chinese Supercapacitor Market Size and Growth Rate, 2011-2020E

Source: ResearchInChina

Global and China Supercapacitor Industry Report, 2016-2020 by ResearchInChina focuses on the followings:

- Global supercapacitor industry (market size & forecast, consumption structure, competitive landscape, etc.);
- China's supercapacitor industry (market size & forecast, competitive landscape, development trends, etc.);
- Upstream raw materials (electrode, electrolyte) market of supercapacitor;
- Downstream markets of supercapacitor industry (overview, demand for supercapacitor and forecast, etc.);
- 7 global and Chinese supercapacitor producers (profile, supercapacitor business, operation, etc.).

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