

High-Capacity Capacitors Market: Latest Research Findings in 2011

➤ **Research Outline**

Yano Research Institute has conducted a study on the high-capacity capacitor market in Japan based on the following research outline.

1. Research period: From June to August 2011
2. Research targets: Capacitor (electric double layer capacitor) manufactures, capacitor material manufacturers, etc.
3. Research methodologies:
Face-to-face interviews with relevant personnel by our specialized researchers, supplemented by interviews via telephone and e-mail, and literature researches

< What is high-capacity capacitor? >

High-capacity capacitor in this research means rolled (cylinder-shape) or stacked (square-shape) capacitors with more than 1F (farad) capacity, and those in button cell-shape are not included.

➤ **Key Findings**

- ◆ **Market size of the high-capacity capacitors continues to be on the rise and is expected to reach 27.84 million cells in 2011.**

The high-capacity capacitors market in Japan is expected to continuously grow and reach 27.84 million cells (4% year-on-year increase) in 2011. Major type of products shipped includes electric double layer capacitors (EDLC), and lithium ion capacitors (LiC) have not yet fully developed to the level of penetration.

- ◆ **Demands for backup use are largely contributing to the market growth.**

Capacitors for backup-use are in largest demand as they can be used for broad range of applications, and currently, they are more widely used in construction equipment and heavy equipment than before. While lithium ion capacitors are considered for use or have been limitedly used in voltage dip compensators, they are not yet mature enough to be a major type of products. Although price competition has become apparent for some applications, response of capacitor manufacturers differs company to company and many of them do not necessarily compete on price.

- ◆ **Market forecast: Growth continues by approx. 3% every year up to 2013. There could be even more than 10% increase after 2013.**

New demand for EDLC is expected to be created by around 2013. It is also predicted that the demands of LICs in more than one application fields become apparent by 2015. Although most promising in-vehicle application depends on the capacitor manufacture, the capacitors could be utilized for electric power regeneration and dispersed power systems.

➤ **Report format:**

Published report: "High Capacity Capacitors Market 2011"

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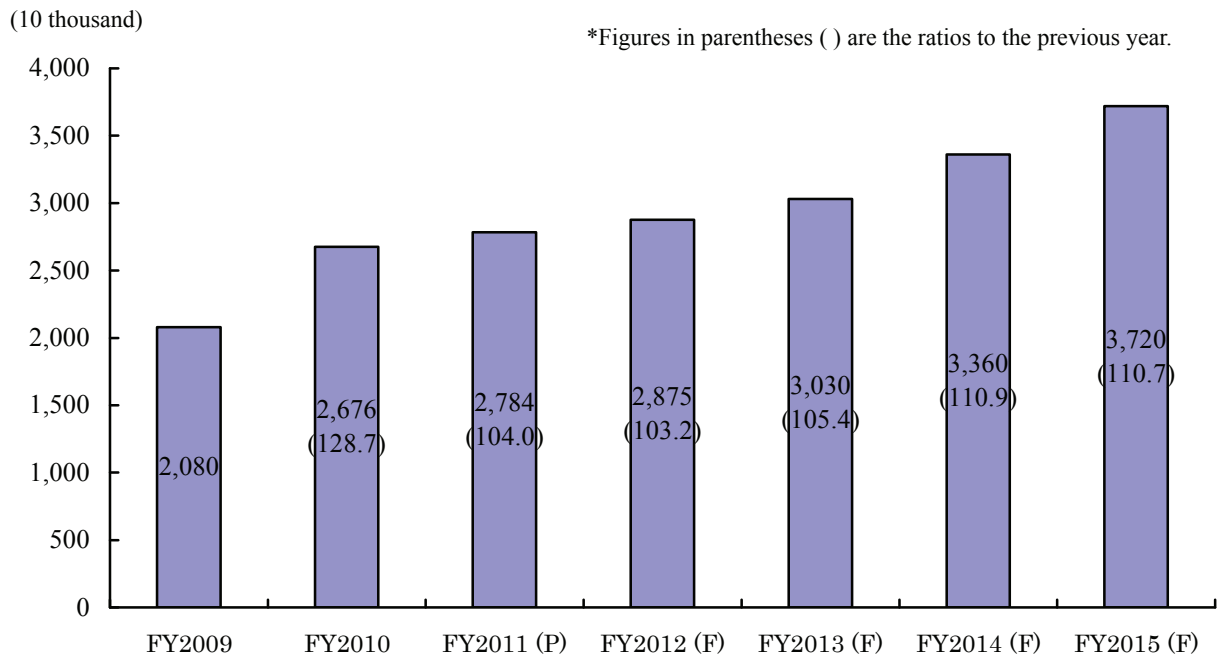
Price: 110,000 yen (5,500 yen of consumption tax will be additionally charged for sales in Japan.)

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Estimated by Yano Research Institute

(Unit: 10 thousand)

FY2009	FY2010	FY2011 (Projection)	FY2012 (Forecast)	FY2013 (Forecast)	FY2014 (Forecast)	FY2015 (Forecast)
2,080	2,676	2,784	2,875	3,030	3,360	3,720

Estimated by Yano Research Institute

Notes:

- 1) The above market size is based on the manufacturers' shipment volume.
- 2) The market size is the total of EDLC and LiC.
- 3) (P) stands for "Projection" and (F) for "Forecast" respectively.