

## **Power Conditioner Market for New Energies in Japan: Key Research Findings 2013**

### **◆ Research Outline**

**Yano Research Institute has conducted a study on the domestic market of power conditioners for new energies with the following conditions:**

1. Research period: From January to March, 2013
2. Research targets: Manufacturers, sellers and R&D of power conditioners
3. Research methodologies: face-to-face interviews by the specialized researchers, survey via telephone & email, and literature research

#### **<What is the power conditioner market for new energies?>**

A power conditioner in this research indicates a device that converts power generated by a new-energy battery (such as a solar battery) into something available to use in a house and other places. This research is intended for power conditioners for electricity generation systems (both for household and for industry) using solar power, wind power, and fuel batteries.

### **◆ Key Findings**

#### **■ Power Conditioner Market for New Energies in FY2012 Exploded to 94.0 Billion Yen**

With the system of feed-in tariffs for new energies launched in FY2012, photovoltaic power generation for industrial use, which had been falling behind the steadily growing residential photovoltaics, have showed rapid increase. The size of power conditioner market for new energies is estimated to attain 94.0 billion yen, 185.9% of the size in the previous fiscal year, based on the shipment value of manufacturers. Manufacturers are expanding their production capacity of industrial power conditioners, one after another, due to continuous demands for full production. The tendency is likely to continue in FY2013.

#### **■ Increased Adoption of Power Conditioners for Residential Photovoltaics from Overseas Makers**

The domestic market of power conditioners for new energies has been boosted by residential photovoltaic systems. Therefore, the power conditioners for photovoltaics are the most popular among those for new energies. However, the system integrators and construction companies tend to choose overseas manufacturers when adopting residential power conditioners for photovoltaics due to the prices. As a result, there are a growing number of overseas manufacturers entering Japanese market of power conditioners for new energies.

■ **Market Forecast: Price Reduction may Contract Market Size Slightly in FY2015 to 159.3 Billion Yen**

The market of power conditioners for new energies is estimated to grow steadily, driven by demands for power conditioners for photovoltaics. The market size in FY2015 is likely to be 159.3 billion yen based on the shipment value from manufacturers. Though power conditioners for photovoltaics continue to grow, price reduction is inevitable both for industrial and residential use.

On the other hand, although power conditioners for new energies other than photovoltaics may become more popular, no large growth can be expected. Also, whether users' intention to introduce power conditioners for new energies increase or not may depend on the revised contents of the feed-in tariffs system in FY2015 and beyond.

◆ **Report format:**

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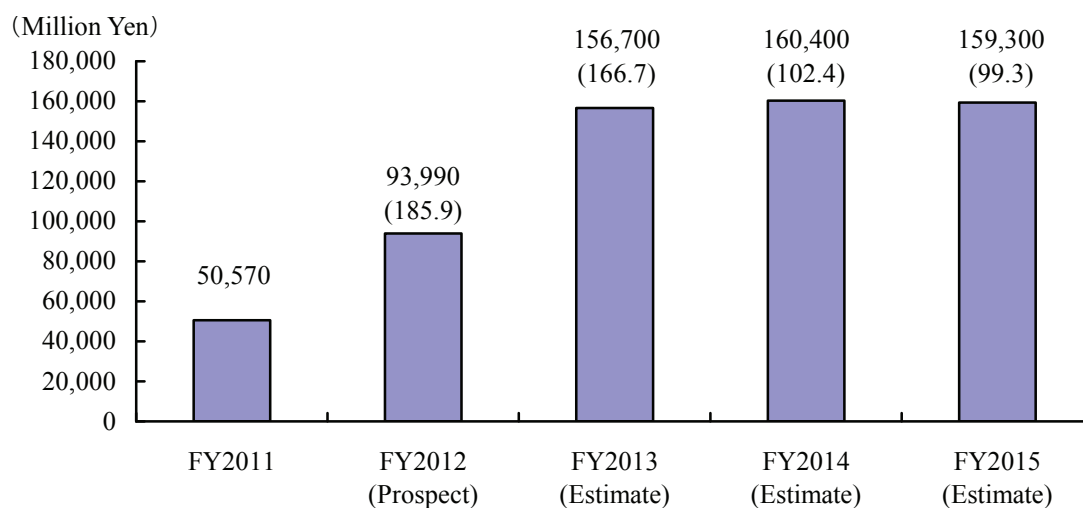
**Contacts:** Public Relations

**Yano Research Institute Ltd. (URL: <http://www.yanoresearch.com>)**

Phone: +81-3-5371-6912

E-mail: [press@yano.co.jp](mailto:press@yano.co.jp)

■ **Figure 1: Transition of Market Size on Domestic Power Conditioner for New Energies**



Estimated by YRI

Notes:

1. The figures are based on the shipment value from manufacturers.
2. Figures enclosed in parenthesis shows comparison from the previous fiscal year in percentage(%)