



Delta Completes First Proprietary Solar Plant (4.6MW) in Ako City, Japan

The Largest Class Mega Solar Plant with a Distributed System Connecting to an Extra High Voltage Grid in Japan, Generating 4,900,000kWh of Electricity Annually

Taipei, Taiwan, January 15, 2016 - Delta's first proprietary large-scale solar plant, Delta Ako Energy Park, was completed and put in service today. This power plant is located in a mountainous area of Ako City in Hyogo, Japan. The new plant is equipped with a capacity of 4.6MW and takes up an area of 96,000m². One of its main features is a distributed power generation system built with medium-size solar inverters in response to the irregular terrain and to improve the overall power generation efficiency. This is the largest distributed solar power plant connecting to an extra-high voltage (33,000V) grid in Japan. The plant is expected to generate approximately 4,900,000kWh per year, which is equivalent to the electricity consumed by 930 local households annually. According to the Renewable Energy Special Treatment Act of Japan, the power generated by the Delta Ako Energy Park will be sold entirely to the power company and it has helped create a new business model for Delta.

Mr. Mark Ko, vice chairman of Delta Electronics, Inc., said that Delta is committed to developing high-efficiency products and solutions. The server power supplies and telecom power conversion efficiency reaches 96% and 97.5%, respectively, while the solar inverter with 98.7% high-efficiency is second to none in the industry. Delta offers power and energy management solutions to the world, including renewable energy, data centers, telecom power, industrial automation, and more. The completion of the Delta Ako Energy Park is a milestone for Delta's active focus on renewable energy, providing clean energy to help create sustainability for the environment and cities.

Mr. CH Ko, Executive Director of Delta Electronics (Japan), highlighted that the Delta Ako Energy Park demonstrates Delta's capabilities in integrating different technologies for the realization of distributed solar PV systems. Its innovation lies in using multiple string PV inverters and connecting to 33,000 volts extra-high voltage grid, which could also comply with local undulating terrain with maximum yields. Delta solves the local irregular terrain challenge



while providing an ideal solution to deliver the best power generation efficiency that suits the high voltage standards and the strict conditions for power plant construction in Japan through the integration of its own technologies. This achievement reflects Delta's commitment to environmental protection by enhancing the reach of renewable energy".

The Delta Ako Energy Park uses 17,256 solar modules and 185 units of Delta's RPI-M series string PV inverters which feature strong enclosure to withstand adverse weather conditions. The entire system includes 175 sets of 20kW Delta RPI-M20A and 10 sets of Delta 50kW RPI-M50A high-efficiency inverters that construct a distributed solar power system according to the irregular terrain of the park. This simple system design overcomes the complexity of various module installation angles. When compared to a general large-scale centralized solar power system, a distributed system has no large-scale installation for big inverters and storage facility. The power source can also be dispersed and converted to effectively improve power generation efficiency, to reduce transformer losses from inverter failure, to reduce system maintenance costs, and to provide the most cost-effective solution to the power plant industry.

Fast Facts: Delta Ako Energy Park

- Owner: Delta Electronics (Japan)
- Location: Ako City, Hyogo, Japan
- Total area: Approximately 96,000 m²
- Power facility area: 63,232 m²
- Power output: 4,000kW
- Grid-connect voltage: 33,000V (over 6,600V is defined as extra-high voltage in Japan)
- Equipment scale: Solar modules 4,572.84kW (265Wp/pc × 17,256 pcs), solar inverters 4,000kW (20kW × 175units, 50kW × 10 units)
- Expected annual electricity capacity: Approximately 4,900,000kWh, equivalent to the annual electricity consumption of 930 households)



Delta Ako Energy Park bird's-eye view

#

About Delta Group

Delta Group, founded in 1971, is a global leader in power and thermal management solutions and is a world-class provider in several product segments. Our mission statement, “To provide innovative, clean and energy-efficient solutions for a better tomorrow,” focuses our role in addressing key environmental issues such as global climate change. As an energy-saving solutions provider with core competencies in power electronics and in innovative research and development, Delta's businesses encompass Power Electronics, Energy Management, and Smart Green Life. Delta has sales offices worldwide with manufacturing facilities and R&D centers in Taiwan, China, USA, Europe, Thailand, Japan, Singapore, India, Mexico and Brazil.

Throughout its history, Delta has received many global awards and recognition for its business milestones, innovative technology and corporate social responsibility. Since 2011, Delta has been selected as a member of Dow Jones Sustainability™ World Index (DJSI World) for 5 consecutive years. In 2014, Delta was ranked by CDP (formerly the Carbon Disclosure Project) on the highest A-level of the Climate Performance Leadership Index (CPLI), and is the only company from nearly 2,000 listed companies in Greater China to make the CPLI list.



For detailed information on Delta Group, please visit: www.deltaww.com

Media Contacts:

Spokesperson

Jesse Chou, Assistant Vice President

Mobile: +886-932-113-258

E-Mail: jesse.chou@deltaww.com

Corporate Communications

Thomas Chang, Manager

Mobile: +886-955-217-311

E-Mail: thomas.chang@deltaww.com