

Press Information

Solar power use expanded to marine application for lower CO₂ emissions

KYOCERA's Solar Modules Adopted for Toyota Marine's Recreational Boats

Kyoto / Neuss, 1 July 2010 – Kyocera Corporation (President: Tetsuo Kuba; herein "Kyocera") today announced that the company has started supplying solar modules for "Toyota Solar Panels," which are to be installed in recreational boats manufactured and sold by Toyota Motor Corporation (herein "Toyota"). Toyota Solar Panels can also be installed as an optional unit on recreational boats manufactured by other companies.

This solar module will be exhibited in the Kyocera booth at PV Japan 2010, the solar energy trade exhibition, held at Pacifico Yokohama, Japan from June 30 through July 2, 2010.

Electricity generated by the solar modules can be charged to a battery and used as a supplemental, durable power source for the various electronics and appliances installed on recreational boats creating a more comfortable boating experience. Its use not only helps the reduction of CO₂ emissions but also prevents a boat's battery from deteriorating in times of non-use for extended periods during docking at port.

Kyocera already supplies its solar modules for the Toyota Prius, which was launched in May 2009. Following on from the company's solar modules introduction into the automotive field, they are now being expanded to use in marine vessels.

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For this product, Kyocera has implemented strict quality control evaluations, done through rigorous testing to confirm heat resistance, vibration resistance, shock resistance and other aspects, in order to ensure reliability. For the production of this module, Kyocera has set up a dedicated production line with specialized engineers to ensure thorough manufacturing control.

While seeking to further enhance the quality of its solar cells and modules, Kyocera will also continue to explore new possibilities for the application of solar power.

Solar Module Specifications

Output	Maximum approx. 60W (solar module)
Conversion efficiency	Maximum approx. 17.5% (solar cell)
Production bases	Cells: Yokkaichi Plant (Shiga, Japan) Modules: Ise Plant (Mie, Japan)
Application	Battery charging for boat's equipment

About Kyocera

Headquartered in Kyoto, Japan, the Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which comprises 213 subsidiaries (April 1st, 2010), are information and communications technologies, products to increase the quality of life, and environmentally friendly products. The technology group is also one of the largest producers of solar energy systems worldwide.

With a workforce of about 63.000 employees, Kyocera posted net sales of approximately €8.59 billion in fiscal year 2009/2010. The products marketed by the company in Europe include laser printers, digital copying systems, microelectronic components, fineceramic products and complete solar systems. The corporation has two independent companies in the Federal Republic of Germany: the Kyocera Fineceramics GmbH in Neuss and Esslingen and the Kyocera Mita Deutschland GmbH in Meerbusch.

The company also takes a lively interest in cultural affairs. The Kyoto Prize, one of the most prominent international awards, is presented each year by the Inamori Foundation, once established by Kyocera founder Dr. Kazuo Inamori, to individuals and groups worldwide for their outstanding human achievement (converted at present €450.000 per prize category).

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