

Press Release

www.kyocerasolar.eu

215 watts and 14.4% efficiency: New high-performance module from the KD series

Kyoto / Neuss, 05 March 2010 - The Japanese technology corporation Kyocera, one of the leading manufacturers in the photovoltaic field, is bringing a new solar module from the successful KD series onto the market. With its high nominal output, extreme stability under mechanical pressure and optimized junction box, the new KD215GH-2PU fulfils high requirements in every field.

The KD215GH-2PU high-performance module achieves a nominal output of 215 watts at an efficiency of 14.4 per cent under standard test conditions. Compared with the predecessor model, the KD210GH-2PU, Kyocera has again been able to improve the cells, while retaining the same module size, and increase output by 5 watts. The nominal output has a tolerance of only +5/-3 per cent. As a result, the 54 solar cells incorporated in the module guarantee the user a high annual energy yield.

In the contacts for the junction boxes, Kyocera opts for high-quality soldered joints rather than clamped joints, and thus offers dependable protection against fire hazards. If lower quality is employed, defective electrical connections may lead to a fire in the junction box. Soldered connections are the safest form of creating the contact and, in connection with complete encapsulation of the junction box, provide protection against corrosion and overheating. The junction box meets the requirements of the highest non-combustibility rating of 5V-A in compliance with UL94.

A sturdy frame for the module guarantees high mechanical stability:

Contact:

Kyocera Fineceramics GmbH
Daniela Faust
Head of Corporate Communication
Hammfelddamm 6
41460 Neuss
Tel.: 02131 - 16 37 188
Fax: 02131 - 16 37 150
Mobile: 0175 - 7275706
daniela.faust@kyocera.de
www.kyocera.de

Weber Shandwick Deutschland GmbH
Peter Manderfeld
Account Manager
Hohenzollernring 79 - 83
50672 Köln
Germany
Tel.: 0221 - 94 99 18 - 42
Fax: 0221 - 94 99 18 - 10
pmanderfeld@webershandwick.com
www.webershandwick.de

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it can withstand a high wind pressure and a snow load of up to 5,400 N/m².

Kyocera makes all components in its own manufacturing facilities, without buying in any intermediate products – starting with the processing of the raw material, via cell production, through to module assembly. This guarantees the high quality standards that Kyocera places on its products, ensuring that the KD215GH-2PU delivers maximum quality and reliability as well. All KD modules by Kyocera fulfil the new IEC 61215 ed.2 and IEC 61730 standards.

The KD215GH-2PU is due to be available in Germany as from spring 2010.

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 more than 200 subsidiaries (April 1st, 2009), 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 60.000 employees, Kyocera posted net sales of approximately €3.68 billion in fiscal year 2008/2009. The products marketed by the company in Europe include laser printers, digital copying systems, microelectronic components, finceramic products and complete solar systems. The corporation has two independent companies in the Federal Republic of Germany: the Kyocera Finceramics 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 €370,000 per prize category).

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