

# Press Release

## **SANYO to Launch New HIT Solar Panel in Europe** ***HIT Double® Bifacial Photovoltaic Module***

**Munich, May 20, 2009** – SANYO Electric Co., Ltd. (SANYO) is pleased to announce that it will begin selling its HIT Double® Bifacial Photovoltaic Module for the first time in Europe, starting in October 2009. The product to be released is a new model representing further improvement on the HIT Double® that SANYO originally launched as a world-first product. The new HIT Double® module will be on display at the Intersolar trade show being held in Munich, Germany, from May 27 to 29, 2009.

### **Features of 205W/200W HIT Double Bifacial Photovoltaic Modules (HIT-205/200DNKHE1)**

#### **1. Much higher efficiency and output**

By utilizing the advantages of an HIT solar panel that also generates electricity on the back face, SANYO created the HIT Double® in 1998, the first product of its kind in the world. The original HIT Double® Bifacial Photovoltaic Module was made using 104-mm solar cells. In fiscal 2006, SANYO began developing sales in the US market with the HIP-200DA3 (200W bifacial photovoltaic module).

Now SANYO has developed the HIT-205DNKHE1, a new HIT Double® model for the European market, composed of 6 rows of 12 125-mm solar cells, for a total of 72 cells. With a rated power of 205 watts, this panel has about 2.5% more output than the earlier HIT Double® model for the US market.

#### **2. Module design optimization allows more power generation on the back face**

By optimizing the space between the solar cells and aluminum frame of the photovoltaic module, SANYO increased the amount of light that can penetrate between the cells and the frame. This improved both the electrical generation and the sunlight penetration benefits for facades and other applications. Not only was there reduction of shadows cast by the aluminum frame, but by making it a silver color, the reflective properties of the frame were also actively utilized, thereby improving the amount the electricity generated by the back face of the panel.

### **Benefits of HIT Double®**

1. Electricity can also be generated on the back face, thanks to a module construction that sandwiches HIT solar cells between two plates of glass.
2. It is effective for flat roofs where the module installation angle and height can be easily adjusted, in order to convert the ambient light that hits the back face of the photovoltaic module into electricity.
3. It is possible to further increase electrical generation on the back face by painting the roof white in order to increase the amount of reflected light. A roughly 20% increase in annual electrical output can be expected compared to a regular module (NKHE type)\*1.

## Specifications

Product Name	HIT Double®	
Product No.	HIT-205DNKHE1	HIT-200DNKHE1
Output	205W	200W
Maximum Power Voltage	41.3V	40.7V
Maximum Power Current	4.97A	4.92A
Back Face Output (Reference)	143W	140W
Module Dimensions	1,630x862x35mm	
Weight	26kg	

1. In the case of a south-facing panel installed at a 15-degree angle on a roof painted white with a reflectivity rate of 0.64. According to a SANYO simulation based on actual measurement values (taken in Cologne, Germany)

### About SANYO:

SANYO Electric Co., Ltd. is a leading solutions provider for the environment, energy and lifestyle, based on its Brand Vision 'Think GAIA'. SANYO's businesses cover a broad range of products and services such as rechargeable batteries, photovoltaic systems, HVAC/R equipment, digital imaging devices, telecommunications equipment, home appliances, electronic components and others.

SANYO Component Europe GmbH (a fully incorporated subsidiary of SANYO Electric Co. Ltd.) a supplier of highly developed environmental and energy solutions. The company offers an extensive range of batteries, rechargeable batteries, and photovoltaic modules as well as high-quality and innovative electronic components and semiconductors. The headquarters of SANYO Component Europe is located in Munich with subsidiaries in the UK and France.

You can find more information about SANYO Component Europe at <http://www.sanyo-solar.eu/>, <http://www.sanyo-component.com>.

You can find more information about SANYO at: <http://www.sanyo.com/>.

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