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Press Release

DLG confirms ammonia resistance of WINAICO solar modules

Modules withstand the effects of barn air for at least 20 years

Creglingen, 29.08.2011 – The polycrystalline module series WINAICO WSP by the Taiwanese module manufacturer Win Win Precision Technology Co., Ltd. has passed the FokusTest “Ammonia Resistance” of the German Agricultural Society (Deutsche Landwirtschaftsgesellschaft e.V., or DLG) and has received the DLG quality seal for the WINAICO WSP-2xxP6.

Livestock farming can release emissions through smell, ammonia and dust particles. According to the DLG, more than 90 percent of ammonia emissions come from agriculture. These emissions can additionally accelerate the ageing of photovoltaic modules, which can lead to declining energy generation and thus to lower yields for the plant operator.

In its test centre the DLG simulates the special conditions which photovoltaic modules have to withstand on farms with livestock. The tests are carried out in a special atmospheric chamber with climatic input. In order to evaluate the ammonia resistance, each module is subjected both before and after the climate test to a visual test, an insulation test, a test of insulation resistance when wet, and a performance measurement. These tests examine the suitability of photovoltaic modules to withstand the effects of barn air over a usage period of at least 20 years.

“The DLG FokusTest has shown that the WINAICO modules do not age more quickly, even under the influence of barn air that emits ammonia, but rather continue to work in a very stable manner. After the salt spray corrosion test according to IEC 61701 of TÜV Rheinland, which was passed in 2010, this is

further evidence that our modules are perfectly suitable for use in challenging environments“, says Sascha Roßmann, managing director of WINAICO Deutschland.

WINAICO Deutschland GmbH – Manufacturer and System Provider

As 100% subsidiary of the semiconductor company Win Win Precision Technology Co., Ltd., located in Taiwan, WINAICO manufactures and distributes crystalline high-performance modules. In addition, as systems supplier for photovoltaic, WINAICO Deutschland GmbH delivers complete PV system packages.

Customers of the company include solar specialists, solar technicians, installers and project planners. Installers benefit from the better-than-average quality of the products that are manufactured in Taiwan according to the highest quality standards, as well as from the comprehensive consulting, planning and service provision by WINAICO Deutschland GmbH. Large warehouses in Germany ensure the fast availability of WINAICO products throughout Europe.

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