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## News Center

### CNPV Earns IEC 61730 Declaration

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DONGYING, Shandong, PR China, November 7, 2008/Xinhua-PRNewswire/ -- CNPV, a leading multi product solar company that produces ingots, wafers, cells & solar modules, and has strong presence in the solar photovoltaic space that designs, manufactures and supplies highly efficient and cost effective crystalline solar photovoltaic modules, today announced that TUV Rheinland Group, Cologne, Germany has awarded the International Electro Technical Commission(IEC) Photovoltaic module safety qualification declaration to CNPV's crystalline solar photovoltaic modules power range from 160Wp to 185Wp (Models consisting of CNPV-160M, CNPV-165M, CNPV-170M, CNPV-175M, CNPV-180M & CNPV-185M). "The IEC 61730 Photovoltaic module safety qualification declaration confirms CNPV's crystalline solar photovoltaic module design and manufacturing processes adhere to the commission stringent requirements for functional and mechanical capabilities for long-term performance operation under open air environments, and validates our improvements in manufacturing standards and process efficiencies and our commitments to operating performance and stability," said B. Veerraju Chaudary, Chief Technology & Operating Officer of CNPV. "We look forward to working closely with TUV Rheinland Group and other international testing organizations as we continue to enhance our research and development efforts for both new and existing products to meet the customer requirements."

"We are pleased to obtain this IEC Photovoltaic module safety certification and TUV Rheinland Group Quality mark, which will improve our business opportunities in the European and Asian marketplace," says Zhang Shunfu, CEO of CNPV. "In addition to the recently secured TUV certification mark, CNPV holds all other major international SPV certifications, including periodic Inspection and CE etc." The company notes that its manufacturing process is ISO 9001:2000 certified and the UL certification is under work-in progress to cater the North America Market during 2009.



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The IEC61730 standard, respectively EN61730 comprises the requirements for the design and the testing of PV modules regarding the qualification for the safe electrical and mechanical operation throughout their expected lifetime. The test sequences of the IEC 61730 are designed such that they can co-ordinate with those of the IEC 61215(PV modules-design qualification and type approval) and the test samples may be used for the performance as well as for the safety qualification. Among the test categories are:

- general inspection
- electric shock hazard
- mechanical stress
- environmental stress

Besides the basic tests, the standard foresees additional tests that depend on the module end-use applications, which are categorized in classes A, B and C. The tests are judged to be passed, if the test applied would not result into potential electric shock, fire and personal injury. The IEC 61730 comprises all tests that are part of the safety class II qualification (Safety tested, TUV-Spec 931/2.572.9)

The safety qualification certificate corresponding to IEC 61730 has gained acceptance in the past few years as the quality symbol for crystalline PV modules. Currently, such a certificate is required for most national and international funding programs.

The safety and quality of a product is not only the result of its design, but also of constant attention to details throughout production. Whether or not required by law, manufacturers often request objective, independent monitoring of regular production, to ensure that high design standards are maintained. CNPV has TUV Rheinland to test this product, using established standards for independent monitoring and auditing, including statistical checking.

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>> **Mr.Zhang is awarded**

Mr. Zhang Shunfu, the CEO of CNPV is awarded in the 10th China Hi-Tech Fair ...

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