

CNPV Earns IEC Certification for its Crystalline Solar Photovoltaic Modules

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) certification 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 IEC61215 Ed2 certification 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 as well as 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 & excel our technology research and development efforts for both new and existing products to meet the customer requirements."

"We are pleased to obtain this IEC 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." The company notes that its manufacturing process is ISO 9001:2000 certified and the UL certification is under working progress to cater the North America Market during 2009.

The meaning of Qualified, IEC 61215 Ed2, IEC 61215 Ed2质量认证的含义

The IEC 61215, respectively EN 61215, comprises the examination of all parameters which are responsible for the ageing of PV modules and describes the various qualification tests on the basis of the artificial load of the materials. In particular one differs between the following load groups:

- Sunlight incl. UV
- Climate (changing of climates, coldness, warmth, humidity)
- Mechanical load (hail, wind suction, wind pressure, snow)

The tests are judged to be passed, if after the qualification tests no major visual defects are detected and the output power has not or only slightly degraded from its initial value.

The qualification certificate corresponding to IEC 61215 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 meaning of Periodic inspection

The safety and quality of a product is not only the result of its design, but also of constant attention to the 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. For this product, CNPV has TUV Rheinland to test this product, using established standards for independent monitoring and auditing, including statistical checking.

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