

## China`s large-scale grid-connected PV power station operates in Xining

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The empirical research project of a large-scale PV (photovoltaic) power station jointly developed by a Japanese new energy R&D institute, NEDO and Qinghai Provincial New Energy Research Institute was completed in Xining City, Qinghai Province, and switched into operation on Dec.26. It's the largest grid-connected PV power station built by NEDO outside Japan, Xihai Metropolis Daily reports.

The project commenced construction in May 2006, and is estimated to be completed in January 2009. Covering an area of 15 mu, the station plans to install 300KW of solar cell components, with an annual generating capacity of 450,000kwh, which, through voltage boosting, will be connected to the 10KV Xining Municipal power distribution network. It's the first system which incorporates solar PV power generation into the municipal high-voltage power grid system, as well as the first international case to produce stable electricity with the double-layer capacitor technology, which reaches the internationally advanced level and exhibits R&D demonstrative role.

The main reason why the empirical research project on China's large-scale PV power station was carried out in Xining City is that Qinghai is one of the regions boasting rich solar energy resources worldwide. To convert solar energy into electric power can bring economic benefits into full play, said Liu Hong, director of Qinghai Provincial New Energy Research Institute.

(editor: annie)

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