

China Power's Largest Rooftop Distributed PV Project Successfully Connected to Grid

Recently, the Mona Lisa 85 MW Smart Energy Project, located in Teng County, Guangxi Province, was successfully connected to the power grid. The project is China Power's largest rooftop distributed PV power system and the largest such project in Guangxi Province.



The project has a total installed capacity of 85.34 MWp, covering a rooftop area of 640,000 m², with a new 110 kV substation built to connect to the Mona Lisa factory area. The project adopts the Building-Attached PV (BAPV) structure and integrates Xinyuan Jinwu's innovative color application technology for PV modules. It operates in the "self-consumption and surplus power to the grid" mode, with an expected average annual power generation of 81,664.4 GWh, saving 25,500 tons of standard coal annually and reducing carbon emissions by 66,000 tons annually. The project will effectively enhance the stability of the surrounding power grid, reduce users' electricity costs, and provide significant economic and environmental benefits.