
Million-kilowatt wind solar thermal and energy storage

What is a 1 million kilowatt wind-solar power project?

A view of the 1 million-kilowatt wind-solar power project in Qingyang, Northwest China's Gansu Province, the first project to enter service at the Huaneng Longdong Energy Base, the country's first 10-million-kilowatt multi-energy complementary comprehensive energy base [Photo/sasac.gov.cn]

How many kW of solar power will be installed at the base?

The clean energy projects at the base are planned to have an installed capacity of 6 million kW, which includes 4.5 million kW of wind power and 1.5 million kW of solar power. Construction of the supporting energy storage facilities is also included.

How many kilowatt-hours of electricity will a new power line deliver?

Designed to deliver 36 billion kilowatt-hours of electricity annually -- enough to power over 10 million households -- the line will transmit a blend of renewable and conventional energy, with half of that electricity coming from clean sources.

What is China's first "wind-solar-thermal-storage integration" project?

(Photo by Xu Ke/People's Daily Online) China's first "wind-solar-thermal-storage integration" ultra-high voltage (UHV) project, the Longdong-Shandong 177,800 kilovolt direct current (DC) transmission project, was put into operation on May 8.

The EPC project of the first section of the 1.5 million kilowatt "Wind Solar Thermal Hydrogen Storage Integration" large-scale wind and photovoltaic base in Ulanqab has ...

On the morning of Sep. 29, construction officially began on the large-scale new energy base in the central and northern areas of the Kubuqi Desert, Inner Mongolia, China. ...

The 1 million-kilowatt wind-solar power project in Qingyang, Northwest China's Gansu Province, started operation as the first 4.05-megawatt wind turbine began to run on ...

An aerial drone photo taken on July 28, 2025 shows a 1GW solar thermal and photovoltaic integrated project in Shanshan County, northwest China's Xinjiang Uygur Autonomous Region. (Photo by Xu ...

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The EPC project of the first section of the 1.5 million kilowatt "Wind Solar Thermal Hydrogen Storage Integration" large-scale wind and photovoltaic base in Ulanqab has completed the lifting of all 75 wind turbines

A one million-kilowatt integrated solar-thermal and photovoltaic comprehensive energy demonstration project has officially connected to the grid for power generation in ...

Chinese renewable generation reached 366 terawatt-hours (TWh), making wind and solar the country's largest sources of new power. This transformation has also driven the ...

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