

ContainerPower Energy Solutions

30MW energy storage project



Overview

The Dinglun Flywheel Energy Storage Power Station, with a capacity of 30 MW, is now the world's largest flywheel energy storage project which is operational, surpassing previous records set by similar projects in the United States. What is the largest flywheel energy storage system in the world?

Image: Shenzhen Energy Group. A project in China, claimed as the largest flywheel energy storage system in the world, has been connected to the grid. The first flywheel unit of the Dinglun Flywheel Energy Storage Power Station in Changzhi City, Shanxi Province, was connected by project owner Shenzhen Energy Group recently.

Where is China's first large-scale flywheel energy storage project?

From ESS News China has connected to the grid its first large-scale standalone flywheel energy storage project in Shanxi Province's city of Changzhi. The Dinglun Flywheel Energy Storage Power Station broke ground in July last year.

How many flywheel energy storage units are there in Shanxi?

The station consists of 12 flywheel energy storage arrays composed of 120 flywheel energy storage units, which will be connected to the Shanxi power grid. The project will receive dispatch instructions from the grid and perform high-frequency charge and discharge operations, providing power ancillary services such as grid active power balance.

Where is Dinglun Energy Technology (Shanxi) Launching a 30 MW flywheel energy storage project?

On June 7th, Dinglun Energy Technology (Shanxi) Co., Ltd. officially commenced the construction of a 30 MW flywheel energy storage project located in Tunliu District, Changzhi City, Shanxi Province.

What is the power output of a magnetic levitation facility?

The facility has a power output of 30 MW and is equipped with 120 high-speed

magnetic levitation flywheel units. Every 10 flywheels form an energy storage and frequency regulation unit, and a total of 12 energy storage and frequency regulation units form an array, which is connected to the power grid at a voltage level of 110 kV.

Who built Dinglun flywheel energy storage power station?

The Dinglun Flywheel Energy Storage Power Station broke ground in July last year. China Energy Construction Shanxi Power Engineering Institute and Shanxi Electric Power Construction Company carried out the construction works. BC New Energy was the technology provider and Shenzhen Energy Group was the main investor.

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