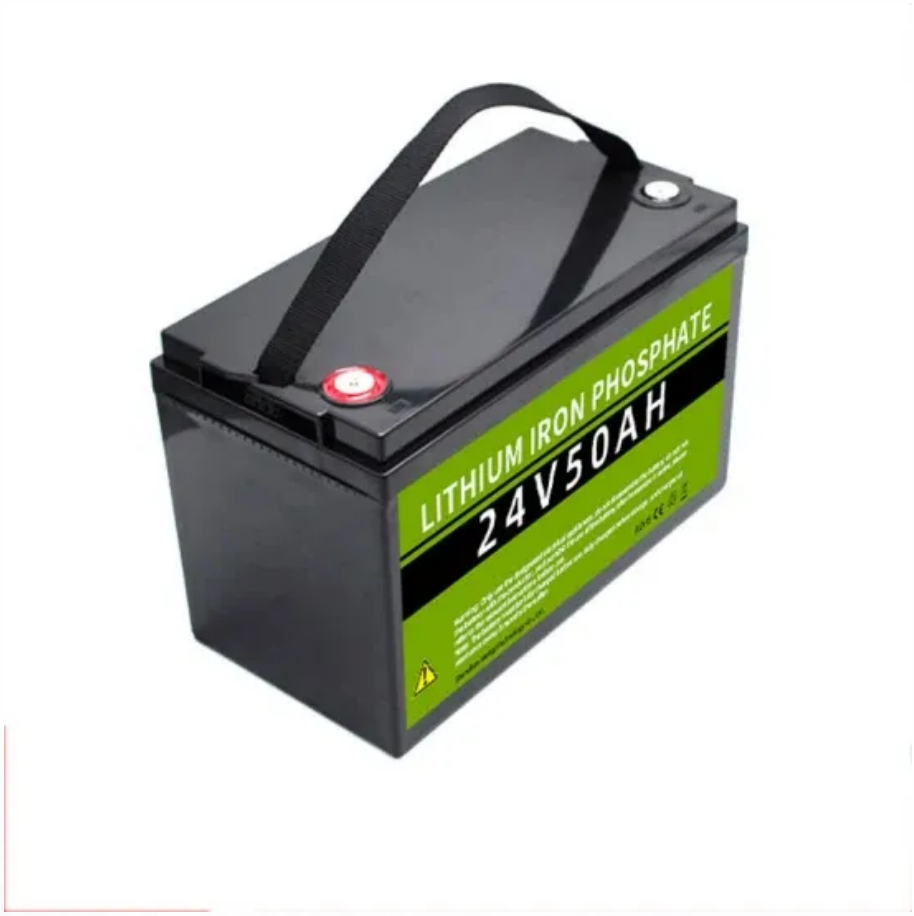
SolarInnovate Energy Solutions

East Asia Flywheel Energy Storage



Overview

Where is China's largest flywheel energy storage system located?

Home » Clean Technology » China Connects World’s Largest Flywheel Energy Storage Project to the Grid China has connected its first large-scale, grid-connected flywheel energy storage system to the power grid in Changzhi, Shanxi Province.

What is China's first grid-level flywheel energy storage facility?

In Shanxi Province’s city of Changzhi, a project to construct China’s first grid-level flywheel energy storage facility began in June this year. Backed by Shenzhen Energy Group, the project’s main investor, the facility’s storage system employs solutions developed by BC New Energy, a startup specializing in advanced energy storage technology.

When will China's New flywheel energy storage facility start?

The new facility is expected to commence operations in December later this year. Upon completion, it will be connected to the province’s power grid to modulate the city’s power supply and demand. It will also become the largest independent flywheel energy storage facility in China and worldwide.

Where are 40mj flywheel energy storage systems used?

To date, our 40MJ flywheel energy storage systems (Ess) have been successfully implemented in numerousprojects across China, including the Qingdao Metro Line 6, Line 11, Line 2, Hangzhou Metro, Suzhou Metro,Nanning Metro, Guangzhou Metro, Macau Light Railway, and more.

How does a flywheel affect energy storage?

The faster it spins, the more energy it stores. Vice versa, the flywheel is slowed down when demand increases, releasing more kinetic energy for the grid to convert into electricity. In Shanxi Province’s city of Changzhi, a project to construct China’s first grid-level flywheel energy storage facility began in

June this year.

Is flywheel energy storage technology underutilized?

Despite its benefits, flywheel energy storage technology remains underutilized. According to the China Energy Storage Alliance (CNESA), flywheel energy storage accounts only for 0.1% of the total capacity of 13.1 gigawatts provided by new energy storage systems in China.

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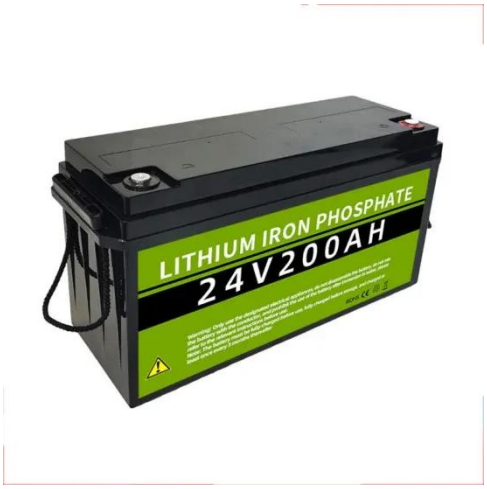

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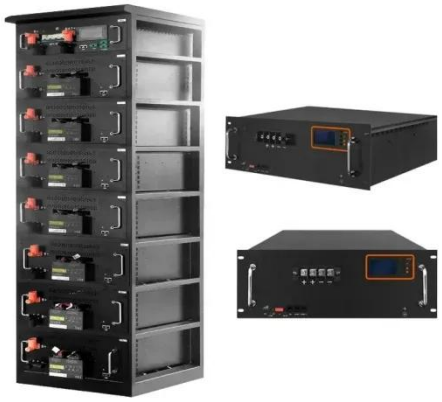

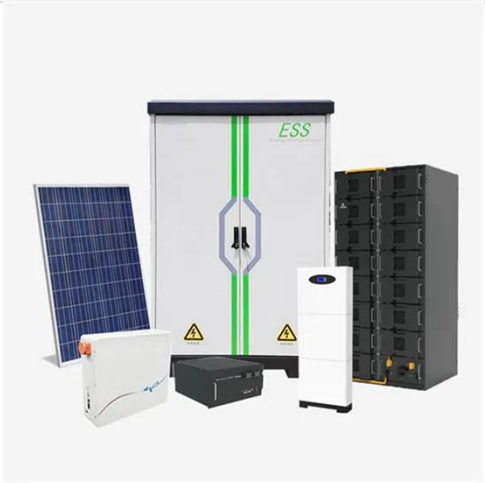

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