ContainerPower Energy Solutions

Flywheel energy storage for peak and frequency regulation

Overview

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Flywheels have been used to store energy in rotation for centuries. However, they were previously not suited for storing electrical energy because of their lower operating speed. tied to operate at the grid frequency. FESSs have high energy density, durability, and can be cycled frequently without.

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The rapid development of new energy sources has brought a certain impact on the original power grid structure, accelerated the wear of unit equipment, and affected the stability, safety, and economy of thermal power unit operation, so it is proposed to add an energy storage system to solve the.

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