

Flywheel energy storage device intelligence





Overview

Due to the highly interdisciplinary nature of FESSs, we survey different design approaches, choices of subsystems, and the effects on performance, cost, and applications. This review focuses on the state of the art of FESS technologies, especially those commissioned or prototyped.



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[Design of flywheel energy storage device with high specific ...](#)

For the automotive use of flywheels, it is particularly important to increase the moment of inertia of the flywheel as much as possible while keeping the overall mass increase low. In order to ...

[A review of control strategies for flywheel energy storage system ...](#)

The flywheel energy storage system (FESS) offers a fast dynamic response, high power and energy densities, high efficiency, good reliability, long lifetime and low maintenance ...



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