

## SolarTech Power Solutions

# Flywheel composite energy storage

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### INTEGRATED DESIGN

EASY TO TRANSPORT AND INSTALL,  
FLEXIBLE DEPLOYMENT



## Overview

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First-generation flywheel energy-storage systems use a large steel flywheel rotating on mechanical bearings. Newer systems use carbon-fiber composite rotors that have a higher tensile strength than steel and can store much more energy for the same mass. Overview Flywheel energy storage (FES) works by spinning a rotor ( ) and maintaining the energy in the system as . When energy is extracted from the system, the flywheel's rotational speed is reduced a.

A typical system consists of a flywheel supported by connected to a . The flywheel and sometimes motor-generator may be enclosed in a to reduce fricti.

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## Contact Us

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