

# Flywheel energy storage system of VYCON



## Overview

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The VYCON REGEN flywheel systems' ability to capture regenerative energy repetitively that normally would be wasted as heat, delivers significant energy savings and reduced fuel costs while reducing a full range of toxic emissions. Tested and. Using environmentally friendly energy storage from VYCON's patented flywheel technology, the VDC-XE and the higher-current model, VDC-XE HC, are the perfect solutions for users needing a more reliable, cost-effective and greener approach to backup power in place of hazardous, lead-acid based. peed flywheel. Compatible with most major brands of three-phase UPSs, the systems interface with the DC bus of the UPS, just like a bank of batteries, receiving charging current from the UPS and providing DC current to the UPS inverter d tructure chain. Relied upon to provide ride-through power for. Mission Critical Protection for. utilizing the kinetic energy stored in high speed flywheel. power, short discharge applications.

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### CA VYCON Flyweel Brochure dd

The VYCON system can replace traditional batteries and can perform in applications where batteries and other storage devices fall short. The VYCON Direct Connect (VDC®) system stores kinetic ...

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### Vycon VDC XE brochure

Serving as a mechanical battery, the flywheel is a kinetic energy storage system that supports applications where batteries and other storage devices fall short. The VYCON flywheel stores kinetic ...



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### VYCON , Flywheel Energy Storage

In short, the VYCON technology is a vital, first step toward achieving clean, reliable and sustainable energy efficiency. At VYCON, we discover, design, develop, implement and continually improve upon ...



## Flywheel VDC-XE

Utilizing clean energy storage from VYCON's patented flywheel technology, the VDC and VDC-XE are the perfect solutions for users needing a more reliable and greener approach to backup power in ...



## Flywheel Energy Storage

Founded in 2002, VYCON is an innovator in the design and manufacture of advanced flywheel energy storage systems. VYCON's flywheels are used around the world to provide a highly reliable, cost ...

## Flywheel Energy Storage , Climate Tech Solutions

These systems deliver high power output for 15-60 minutes with 20+ year operational lifespans and minimal maintenance requirements. Companies like Beacon Power and Vycon deploy flywheel ...



## Direct Connect VDC-XE

Flywheel DC Energy Storage A flywheel system stores energy by spinning a mass / flywheel. Reliable DC power is



delivered utilizing the kinetic energy stored in high speed flywheel. Is a mechanical battery

## Vycon Flywheel: High-Speed Kinetic Energy Storage for Industrial

Unlike chemical batteries storing energy through electrochemical reactions, Vycon's flywheel technology operates on rotational kinetic principles. A carbon-fiber rotor spins at 36,000 ...



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