

European Solar Energy Storage

Flywheel energy storage system of vycon



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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 energy in the form of a rotating mass and is designed for ...

[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-effective, and "green" energy storage solution for ...



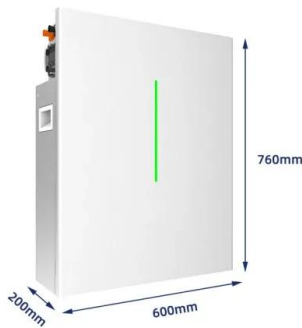
Products

VYCON's VDC-XXE and VDC-XXT flywheel systems store and deliver a reliable source of DC power utilizing the kinetic energy of a high-speed flywheel. VYCON's VDC systems provide clean ride through backup power that is predictable and seamless.

[BROCHURE_Vycon.qxd](#)

The VYCON REGEN system is capable of capturing generated braking energy, effectively reducing the peak power demand and total

energy required for the train as it accelerates away from the passenger station.



VYCON VDC Flywheel

Using patented technology that includes a high-speed motor generator, active magnetic bearings, and a superior control system, the VYCON VDC Flywheel can charge and discharge at high rates for countless cycles. ...

Flywheel Energy Storage System Basics - Power ...

Reliability, efficiency, cooling issues, space constraints and environmental issues are the prime drivers for implementing flywheel energy storage. Flywheels paired with a data center's three-phase UPS units provide ...



Standard 20ft containers



Standard 40ft containers

Flywheel Energy Storage

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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 our industry-leading, environmentally friendly, flywheel power solutions.

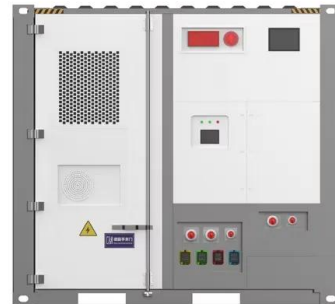


VYCON VDC Flywheel

Using patented technology that includes a high-speed motor generator, active magnetic bearings, and a superior control system, the VYCON VDC Flywheel can charge and discharge at high rates for countless cycles. This energy can be used to backup power systems for a battery-free option.

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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.



Flywheel Energy Storage System Basics - Power Quality Blog

Reliability, efficiency, cooling issues, space constraints and environmental issues are the prime drivers for implementing flywheel energy storage. Flywheels paired with a data center's three-phase UPS units provide instantaneous and

cost-efficient backup power.



VYCON Launches Next Generation Flywheel Energy Storage Systems

Featuring optimized power electronics for significantly improved power density, the new energy storage systems replace traditional lead-acid backup batteries used with UPS systems - providing users with a smarter and greener approach to power protection.



Products

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