

PIENAAR ENERGY (PTY) LTD

Flywheel energy storage system invention patent



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Flywheel energy storage system patented technology retrieval search

The invention discloses a distributed hierarchical control method for a flywheel matrix system applied to a wind power plant, and a control method for a flywheel energy storage system applied to wind power plant, and ...

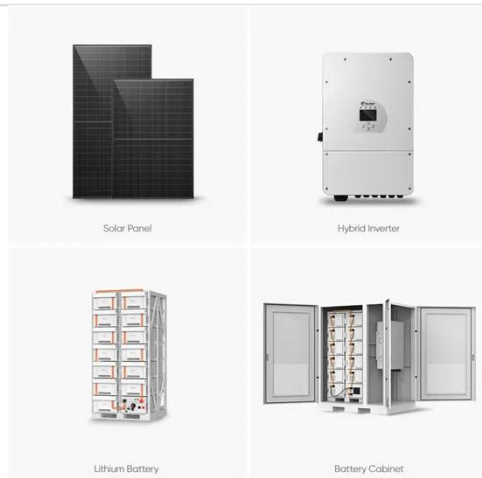
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Flywheel energy system

The present invention relates to energy storage systems, and more specifically to energy storage systems capable of storing electrical energy as kinetic energy of a rotating flywheel, for release of the stored ...



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Flywheel based energy storage system

This invention relates generally to the field of energy storage devices and, particularly, to a complete compact mobile flywheel system for storage and controlled release of kinetic energy.

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HIGH POWER FLYWHEEL SYSTEM

Heretofore no flywheel system with the ability to cycle continuously at more than approximately 200kW has been developed. [0009] The invention features a flywheel energy storage system as defined in ...

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Flywheel energy storage systems

Application of lower energy density flywheel energy storage systems for stationary utility load-leveling applications has not been successful due in part to lack of proven designs for low-cost continuous-filament ...

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WO/2023/005950 FLYWHEEL ENERGY STORAGE SYSTEM

The flywheel energy storage system is



connected to the power grid without needing to use a power electronic device, so that necessary voltage and frequency support can be provided for the power grid, and the risk of ...

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