

## Kongres Container

# Energy Storage Flywheel Works



**TAX FREE**



### Product Model

HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

### Dimensions

1600\*1280\*2200mm  
1600\*1200\*2000mm

### Rated Battery Capacity

215KWH/115KWH

### Battery Cooling Method

Air Cooled/Liquid Cooled



## Overview

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Flywheel energy storage (FES) works by accelerating a rotor (flywheel) to a very high speed and maintaining the energy in the system as rotational energy. When energy is extracted from the system, the flywheel's rotational speed is reduced as a consequence of the principle of conservation of energy; adding energy to the system correspondingly results in an increase in the speed of the rotor. Main componentsA typical system consists of a flywheel supported by a bearing, connected to a motor-generator. The flywheel and sometimes motor-generator may be enclosed in a vacuum chamber to reduce friction.

Compared with other ways to store electricity, FES systems have long lifetimes (lasting decades with little or no maintenance; full-cycle lifetimes quoted for flywheels range from in excess of 10<sup>4</sup>, up to 10<sup>6</sup>, cycles).

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### Contact Us

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