

Power on demand

Extra power where it is needed

Electrification, decarbonization and renewable energies are the megatrends transforming our electricity grids. High-power storage systems are as crucial as transformers. We provide the necessary infrastructure for the challenges of today and tomorrow.

AMPERAGE

Our powerful flywheel storage systems offer long discharge times, opening up new areas of application.

- High **power** with high **dynamics**
- High **availability** and unlimited **cycle stability**
- High energy and economic **efficiency**



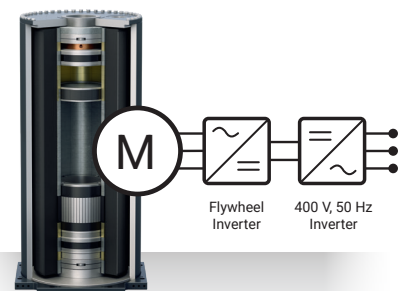
We supply sustainable high-power flywheel storage systems

- **Powerful:** 125 kW, 250 kW and 500 kW per unit
- **Long-lasting:** 1,000,000 charging cycles and 25 years
- **Modular and scalable:** 1 to 25 units per cluster
- **Safe:** non-flammable, works in very cold and hot climatic conditions
- **Sustainable:** product of the circular economy, low CO₂ footprint, no critical raw materials



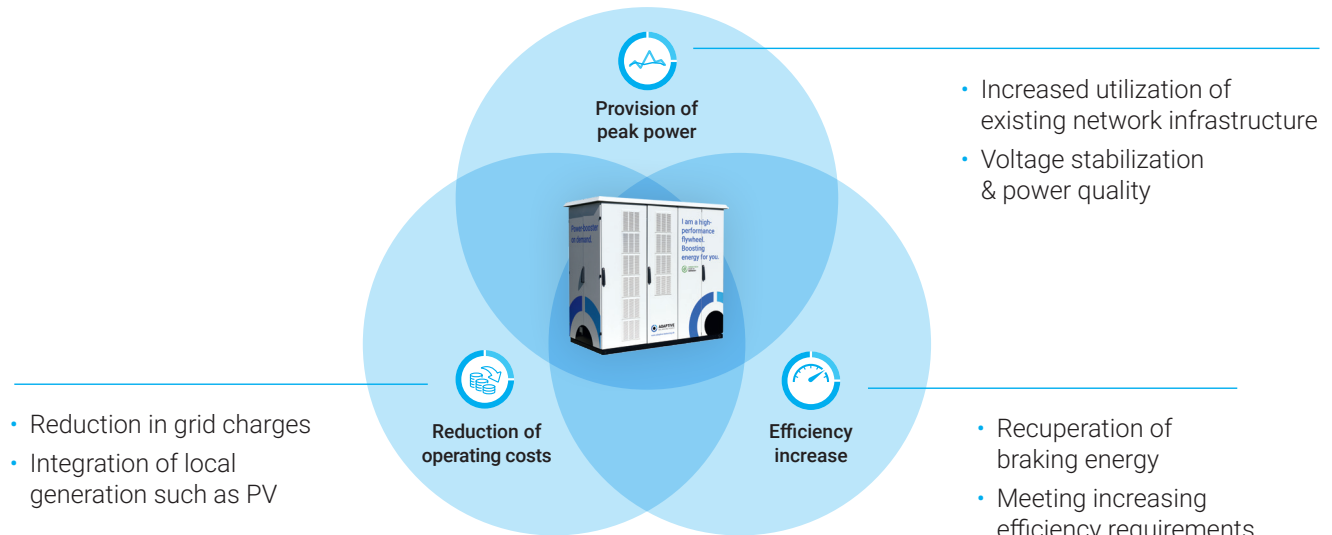
High-power storage based on physics, not chemistry

The integrated, powerful electric motor accelerates the flywheel during the charging process. During discharge, the electric motor acts as a generator and makes the stored energy available within milliseconds and with high electrical power.



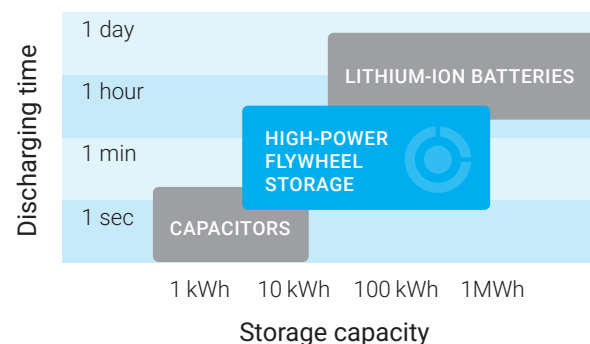
Peak power

for commercial and industrial applications



Clear distinctive features

The sweet spot of our high-power flywheel storage systems are discharge-times of up to 15 minutes. This closes the existing technical gap between capacitors and lithium-ion batteries, enabling new applications and attractive business models.



ADAPTIVE BALANCING POWER develops, manufactures and distributes high-power storage systems made in Germany, with regional and European supply chains. We have received multiple awards and our technology is protected by international patents. We support our customers in the development, implementation and operation of our storage systems – with technical and economic analyses, customized products and services including remote maintenance



Adaptive Balancing Power GmbH

Ostendstraße 19 | 64319 Pfungstadt | Germany
+49 (0) 06157 911 9294
sales@adaptive-balancing.de
www.adaptive-balancing.de



LET'S TALK!



GREEN TECH
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GERMANY