

A Robust and Inexpensive Iron-Air Rechargeable Battery for Grid-Scale Energy Storage

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Objective:

Demonstrate an advanced Iron-Air Battery suitable for Grid-scale Energy Storage in 36 months.

Advantages of Iron-Air Battery Technology:

- Extremely Low Cost
- Abundantly available raw materials
- Environmentally friendly

Challenges:

Reducing hydrogen evolution at the iron electrode

Developing efficient catalysts for the air electrode

Increasing cycle life of the Air Electrode

Preventing carbonation of the electrolyte