

BATTERY TESTS

Batteries for Stationary Storage and Mobility

The ambition of the EDF Group is to be an important player in the field of storage. The batterie laboratory plays a role in this endeavor by supporting clients and our partners in the conception and validation of batteries for their specific needs, both in the stationary and mobility sector.



Lifetime, security and performance of batteries can all be tested in our fully equipped laboratories by experts. They are tested according to proven methodologies, from single cells to complete packs.

Our laboratory also has activities in modelling, simulation and ageing analyses. Being a member of the RS2E network of experts on electrochemical storage of electricity, we can also reply on support of other experts in addition to contributing to the network.

the breadth of the batteries we test goes from new generation prototypes to existing commercial batteries, but also includes second life re-use and recycling.



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OUR EQUIPMENT

- More than 300 Modular Cycling Bays up to 1000V-320kW- 800A
- 3 test laboratories, from the electrochemical cell to the complete system
- Large climatic chambers
- 2 abusive test areas from the cells to the complete pack (300kWh) - overcharge, short circuits, thermal constraints, drop tests
- Experiments in real electrical systems on our Concept Grid
- Post-mortem analyses

