Distributed energy storage in Switzerland

Conclusions will be drawn with regards to the feasibility and value proposition of a deployment of energy storage technologies at scale, of their potential role in the future of the Swiss energy system as well ...

This research project addresses this gap by developing a comprehensive, high-resolution database of distributed energy resources and non-controllable loads allocated in synthetic medium- and low ...

A comprehensive dataset providing synthetic allocation of distributed energy resources (DERs) to medium-voltage and low-voltage distribution grids of Switzerland.

With its hydroelectric power plants in the Alps and innovative projects, Switzerland is contributing to the search for solutions for the efficient, long-term storage of electricity.

Battery storage systems are crucial for the energy transition. Find out how Swissgrid is driving forward their integration into the grid.

In this paper, we present an approach for peak shaving in a distribution grid using a battery energy storage. The developed algorithm is applied and tested with data from a real stationary ...

The dataset consists of photovoltaic (PV) systems, battery energy storage systems (BESS), heat pumps (HPs), and electric vehicles (EVs), along with yearly hourly-resolved profiles for ...

This article looks at this new legal structure in terms of how it works in practice, its relevance and its implications for Switzerland"s energy transition.

The database supports studies on flexibility provision of distributed energy resources, distribution grid resilience, and national energy policy, among other topics.

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