

Should energy storage systems be included in Germany's power plant strategy?

The power plant strategy for hydrogen-capable power plants recently presented by the German government also emphasises that storage systems should be included. Exemption from grid charges The BMWK's comments express sympathy for the continuation of the current grid fee exemptions for energy storage systems.

Why should Germany use energy storage systems?

Germany is under increasing pressure to rapidly decarbonize its electricity system, while ensuring a secure and affordable electricity supply. In this context, energy storage systems (ESSs) can play a crucial role in enabling a high share of variable renewable electricity generation.

Can pumped hydro storage be a key component of Germany's electricity system?

The study by Keles and Yilmaz, for instance, considers only the option of pumped hydro storage (PHS), as it is already a key component of the German electricity system. Others consider multiple technology options, with Bartholdsen et al., for instance, considering also lithium-ion batteries and hydrogen storage (via power-to-gas).

Is the electricity storage strategy a good idea?

The electricity storage strategy has been criticised by the industry for its lack of concrete targets and timetables. There are good ideas, but they are not supported by direct measures. Furthermore, electricity storage systems should continue to be legally categorised as systems for the generation and consumption of electricity.

What is the energy storage strategy?

The energy storage strategy aims to promote the expansion and integration of energy storage systems and thus support the energy transition. In more detail By 2035, the energy sector in Germany should be largely free of greenhouse gas emissions. This requires the further expansion of renewable energy.

Which industry associations have commented on the energy storage strategy?

The BMWK gave the industry associations the opportunity to comment on the energy storage strategy until 16 January 2024. Among others, the German Association of Energy and Water Industries, the German Renewable Energy Federation, and the German Association of the New Energy Economy recently commented on the energy storage strategy.

Imprint The study "Energy Storage in Germany - Present Developments and Applicability in China" is published within the framework of the "Sino-German Energy Partnership". The aim of ...

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German energy storage field policy research and design plan

The industry associations agree that the energy storage strategy is a crucial step in the right direction towards better framework conditions. Nevertheless, they make it clear that ...

The key points paper on the storage strategy was first presented by BMWK at the BVES annual conference at the end of November and has now been developed into a largely consistent and ...

With its strong potential for large-scale, long-term energy storage and its energy conversion potential, the plan envisions hydrogen to facilitate cross-regional and cross-seasonal energy ...



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