

Danish energy storage standards





Overview

Can energy storage units be installed in the Danish power system?

Elsystemansvar A/S (subsidiary of Energinet) has asked Ea Energy Analyses to analyse the benefits and main drivers for the installation of storage units in the Danish power system. This will supplement the technology aspects in the recent Technology Catalogue on Energy Storage (DEA and Energinet, 2019).

What is Danish Center for energy storage?

Danish Center for Energy Storage, DaCES, is a partnership that covers the entire value chain from research and innovation to industry and export in the field of energy storage and conversion. The ambition of DaCES is to strengthen cooperation, sharing of knowledge and establishment of new partnerships between companies and universities.

How can Denmark develop a new energy technology?

If Denmark shall succeed in the development and implementation of new energy technologies such as energy storage and conversion, a broad knowledge of political and legal frameworks, economic models, the role of civil society as well as new forms of organization and collaboration across sectors and disciplines is necessary.

What does the Danish Energy Agency do?

The Danish Energy Agency publishes catalogues of technology data for energy technologies. Technology Catalogues provides information about technology, economy and environment for a number of energy installations and are among other things used by the Danish Energy Agency for energy projections.

Which storage demonstration projects have been carried out in Denmark?

As reported in Table 1, two significant storage demonstration projects were carried out in Denmark in the past years. The batteries installed in Nordhavn



(Copenhagen) were tested mainly for the provision of primary regulation (TSO service) and peak shaving (DSO service).

How are energy services delivered in Denmark?

Some of the services are delivered through energy markets in Denmark (they are referenced in each of the subsections); certain are remunerated in other countries, e.g. in the US, or are not linked to any compensation at all.



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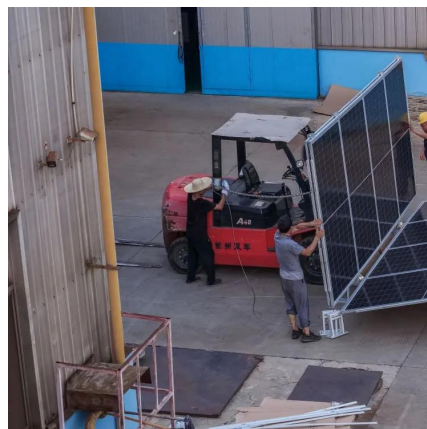


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From the list it is clear that the Danish TSO first sees the implementation of electricity storages in Denmark after the initiatives listed in the Short term and Medium term. For this reason there ...

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The other means compressed air energy storage (CAES), Electricity storage in batteries and use of hydrogen (electrolysis-based) in the transport sector will not directly affect the CHP-ville ...



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The whitepaper finally gives proposals for a revised policy and regulatory framework, which can support energy storage in the energy system, as well as recommendations for actions to ...

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