

SolarInnovate Energy Solutions

Copenhagen Commercial Energy Storage Cabinet Fee Standard



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 are the costs derived from the Danish technology catalogue?

Cost figures are derived from the Danish technology catalogue (DEA and Energinet, 2019); operation and maintenance costs are neglected as their effect is limited. The figures do not include costs and revenues from arbitrage activities (i.e. from the charging pattern in the proposed strategy).

Is a storage facility a challenge in Denmark?

In Denmark, a storage facility can by definition (Energinet, 2019): The participation of storage assets in different markets may be a challenge. These challenges might be just as much a consequence of regulatory design as technical limitations.

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.

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.

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