

Denmark energy storage for backup power

What is a battery energy storage system (BESS)?

The project in Hasle is the largest battery energy storage system (BESS) in the country, EWII said, and will provide flexibility services to transmission system operator (TSO) Energinet as it decarbonises the grid. It is comprised of 116 battery units.

Will Denmark bring in a capacity market?

Denmark has strongly underlying merchant revenues and there is also talk of bringing in a capacity market (CM), but for now the merchant stack makes financing relatively challenging, Connor said. Utility EWII has connected a 30MW/43MWh BESS unit to the grid on the island of Bornholm in Denmark, the largest in the country.

Which companies are deploying grid-scale Bess in Denmark?

Other companies deploying grid-scale BESS in Denmark include (primarily) solar developers Better Energy, Eurowind Energy and Nordic Solar as well as BESS developer-operator Dais Energy, with CEO Daniel Connor discussing the market with Energy-Storage.news late last year.

Could the Bornholm project power the island if a submarine cable fails?

The Bornholm project could in the future power the island for 1-2 hours if problems arise with a subsea interconnector cable to Sweden, Miller added: "If the submarine cable fails, the battery at Hasle could quickly connect and supply the island while boilers at the local power plant heat up."

An ongoing super battery project in Denmark is a case study for using battery storage as a way to implement aggressive decarbonization strategies.

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The largest BESS in the country being plugged in. Image: EWII. Utility EWII has connected a 30MW/43MWh BESS unit to the grid on the island of Bornholm in Denmark, ...

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