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Title: BESS Uninterruptible Power Supply in Tampere Finland

Generated on: 2026-03-31 03:36:29

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Is Bess a good alternative to electricity?

BESS are excellent alternatives because of their capability to charge and discharge energy. The Finnish electricity market is part of the Nordic, the most integrated and liberalized electricity market globally (International Energy Agency, 2023b).

Why does Finland need Bess?

The need for BESS is exceptionally high in Finland because the country has set one of the world's most aggressive climate targets. The government has a legal obligation to reach carbon neutrality by 2035. Renewable energy sources account for over 50% of electricity production, and several renewable projects are being planned or developed.

How does Bess make money in Finland?

Today, BESS's most significant revenue sources in Finland are frequency containment reserves (FCR-N, FCR-D up, and FCR-D down). Prices of FCR-N and FCR-D up have continuously increased for the past few years. Fingrid procures these reserves based on competitive bidding from the yearly and hourly markets.

What is a Bess project?

The 70 MW/140 MWh BESS project will be located in Nivala, northern Finland. Set to go online in 2026, the facility will enhance grid stability, energy resilience and accelerate green electrification. The project marks Ingrid Capacity's first two-hour system and its debut in Finland.

We also build battery storage systems connected to wind turbines and parks, as well as solar power plants, known as hybrid parks, whether they are implemented in the same contract or ...

The project represents a significant investment in Finland's energy infrastructure, with Hitachi Energy's technology designed to maximize system performance while reinforcing the stability ...

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The project, which is one of the largest of its kind in Finland, will provide grid services including frequency response and will be able to participate in energy trading on ...

The project was delivered on a turnkey basis by Merus Power and has been fully operational since December 2024. The facility is also designed for future scalability, with the potential to ...

Battery Energy Storage Systems (BESS) have emerged as the most suitable option for providing short-term flexibility to combat the volatility in power systems. The need for BESS is ...

We, Merus Power, a Finnish technology leader, deliver innovative turnkey BESS solutions that are fully designed, developed, and manufactured domestically by us.

Power solutions firm Merus Power has signed an agreement with a holding company of the Ardian Clean Energy Evergreen Fund (ACEEF), managed by the global ...

Finland's energy storage market is experiencing significant growth, with several utility-scale BESS installations coming online in recent years. The ...

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What is a Bess system?At the heart of WEG's BESS solution is an advanced energy control and management solution. This sophisticated system coordinates different operation modes, ...

Hitachi Energy has signed an agreement with Nordic Electro Power (NEPower) to provide advanced power conversion technology for Finland's largest battery energy storage ...

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