

## A-Core Container

# Estonian power grid energy storage station area



## Overview

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Estonia's grid is an important hub as it is connected to Finland in the north, Russia in the east, Latvia and Lithuania in the south. Electricity is traded on the Nordic power market Nord Pool. In 2014–2016, yearly net imports from Finland were equal to 31-67% of consumption. Meanwhile, yearly new exports to Latvia were equal to 57-84% of consumption. Some years there were also exports to. Overview Estonia's electricity sector is interconnected with regional energy markets, particularly through connections with and . The direct electrical interconnection with Finland was established in 2006 and was further stre.

Electricity in 2020:

- Usage - 9.17 billion kWh
- Production - 5.9 billion kWh
- Import - 7.37 billion kWh
- Export - 3.72 billion kWh

Oil-based fuels, including oil shale and fuel oils, accounted for about 80% of domestic production in 2016. There is also some natural gas capacity, but no coal generation. The largest power complex in the country.

How will a battery energy storage park work in Estonia?

The battery energy storage park and its substation will be connected to the electricity transmission network using a 330kV AC underground cable, marking a first in Estonia. Baltic Storage Platform confirmed that the BESS will seek to ensure the stability and resilience of the Estonian electricity grid.

Where is Estonia's largest battery storage facility located?

The flagship battery storage project commenced operations on February 1, only days before cutting ties with the Russian power grid. Estonian state-owned energy company Eesti Energia has inaugurated the nation's largest battery energy storage facility at the Auvere industrial complex in Ida-Viru County.

What is the largest power plant in Estonia?

The largest power complex in the country, Narva Power Plants, consists of the world's two largest oil shale -fired thermal power plants. The complex used to generate about 95% of total power production in Estonia in 2007. Falling to

86% in 2016 and 73% in 2018.

How much wind power does Estonia have?

Total installed wind power was 149 MW at end of 2010 and grew to 303 MW in 2014 and 329 MW in 2016. Record production of wind parks is 279 MW in 2014. Estonia has target of 14% (1.5 TWh) and total renewable electricity 1.9 TWh (17.6%). According to the national Energy Action Plan (2020) planned shares are onshore 9% and offshore 5%.

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