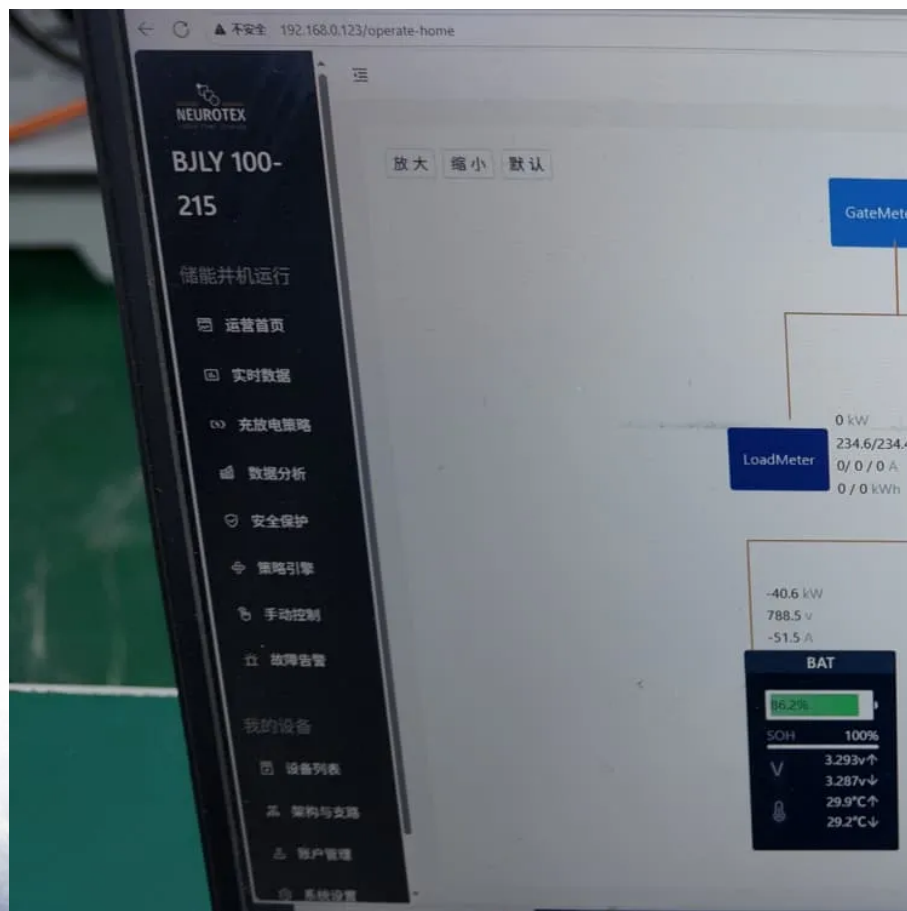


Estonian communication base station wind power and photovoltaic power generation specifications





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 strengthened by the interconnector in 2014. Estonia joined the market by 2012, securing its own price area within this regional electricity market.

How is electricity used in Estonia?

Electricity can be generated in two main ways: by harnessing the heat from burning fuels or nuclear reactions in the form of steam (thermal power) or by capturing the energy of natural forces such as the sun, wind or moving water. of total generation.

How much energy does Estonia use?

Estonia's all-time peak consumption is 1591 MW (in 2021). In 2021 the electricity generated from renewable energy sources was 29.3 %, being 38% of the share of renewable energy in gross final energy consumption. Oil-based fuels, including oil shale and fuel oils, accounted for about 80% of domestic production in 2016.

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%.

Why is Estonia a hub of electricity?

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.

When will Estonia & Latvia synchronize with the European Union's electricity



system?

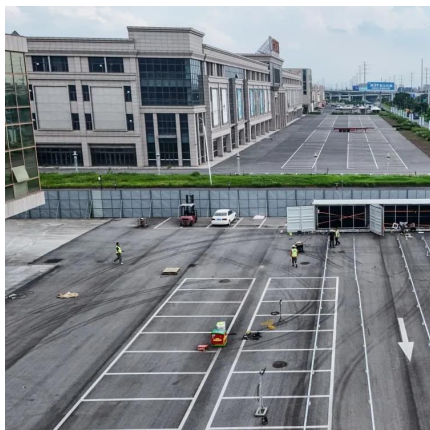
It was agreed in 2018 that Estonia, Latvia and Lithuania will connect to the European Union's electricity system and desynchronize from the Russian BRELL power system, this was completed by February 2025.

What percentage of Estonia's electricity is generated from oil shale?

In 2018, oil shale constituted approximately 80% of Estonia's electricity consumption. By 2021, this figure had declined to 49%, reflecting a significant decrease in oil shale utilization for electricity generation.



Estonian communication base station wind power and photovoltaic

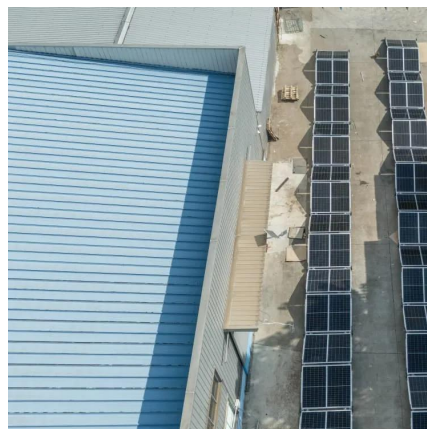


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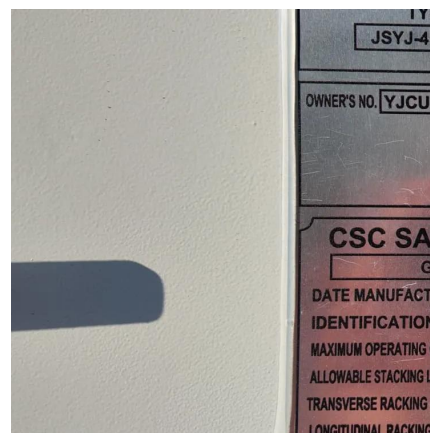
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Electricity sector in Estonia

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