

## ContainerPower Energy Solutions

# Estonia exports solar power generation and energy storage systems



## Overview

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Why should Estonia invest in nuclear energy?

France's example of having nearly 70% of its electricity from nuclear power showcases the potential to diversify energy sources. By considering strategic investments in wind, solar, and nuclear energy, Estonia can further transition towards a sustainable, clean energy future while reducing dependency on fossil fuels.

What is the main source of energy in Estonia?

On the other hand, fossil energy constitutes almost a third of the total, with oil being the predominant player, providing over a fifth of total consumption. Coal, though much less significant, still contributes to the fossil fuel mix. Additionally, Estonia imports nearly a quarter of its electricity, supplementing its domestic production.

How can Estonia bolster low-carbon electricity generation?

To bolster low-carbon electricity generation, Estonia can look at augmenting its existing wind and solar capacity, seeing that these sources already contribute significantly to the country's clean energy mix.

What is Estonia's electricity mix?

For the year 2024/2025 the data source is aggregated data from the last 12 months (2024-09 to 2025-08) . For the months 2024-09 to 2025-08 the data source is ENTSOE . Estonia's electricity mix includes 22% Oil, 21% Wind and 17% Solar. Low-carbon generation peaked in 2024.

What are the different types of energy transformation in Estonia?

One of the most important types of transformation for the energy system is the refining of crude oil into oil products, such as the fuels that power automobiles, ships and planes. No data for Estonia for 2022. Another important form of transformation is the generation of electricity.

Does Estonia have a low-carbon electricity landscape?

Historically, the evolution of Estonia's low-carbon electricity landscape has experienced various ebbs and flows. In the late 2000s and early 2010s, biofuels played a crucial role, with incremental gains in electricity generation until some setbacks in the mid-2010s.

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