



Expected ROI of wind solar storage project in Estonia 2025

How much will Estonia spend on wind power projects?

Estonia will receive EUR18 million to support two wind-based schemes. The largest is the EUR9.8 million Püssi project, which combines solar and wind capacity in a hybrid energy park. The EUR8.2 million Maima Wind Park will construct new turbines in the villages of Tarva and Tõrdu in Põhja-Pänumaa municipality.

How many solar projects are there in Finland?

Seven of the projects are located in Finland and focus entirely on solar photovoltaic installations. The remaining two, both in Estonia, will expand onshore wind generation. Combined, the projects will deliver 445.65 megawatts (MW) of new renewable energy capacity by 2028.

What is the biggest wind energy project in Europe?

The largest is the EUR9.8 million Püssi project, which combines solar and wind capacity in a hybrid energy park. The EUR8.2 million Maima Wind Park will construct new turbines in the villages of Tarva and Tõrdu in Põhja-Pänumaa municipality. The projects are expected to begin operations between 2027 and 2028.

Can rooftop PV installations support the energy transition in the Baltic states?

Considering the above, the Baltic States have significant technical potential for rooftop PV installations to support the energy transition. EU policymakers have highlighted renewable energy communities as a key driver of this transition, as they promote citizen participation and local control over renewable energy decisions.

Does Estonia have a rooftop PV system?

In Estonia, only one organization with CEC status operates a rooftop PV system (13 kW) on an office building, while Latvia has no operational energy communities yet. The focus was drawn to the roofs of residential multi-apartment buildings as the most accessible place for residents for the possible organization of CEC.

How much solar energy does the Baltic region have in 2022?

Between 2022 and 2024, the expansion of solar energy production across the Baltic region has exceeded even the most optimistic forecasts. By June of 2024, Estonia's total installed solar capacity reached 879 MW, Lithuania attained 1.2 GW, and Latvia added nearly 500 MW.

The confirmed location for the project is a 200 km² area to the west of Estonia's largest island, Saaremaa, capable of hosting up to 100 wind turbines with a capacity of up to 1400 MW. This production could meet roughly two-thirds of ...



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