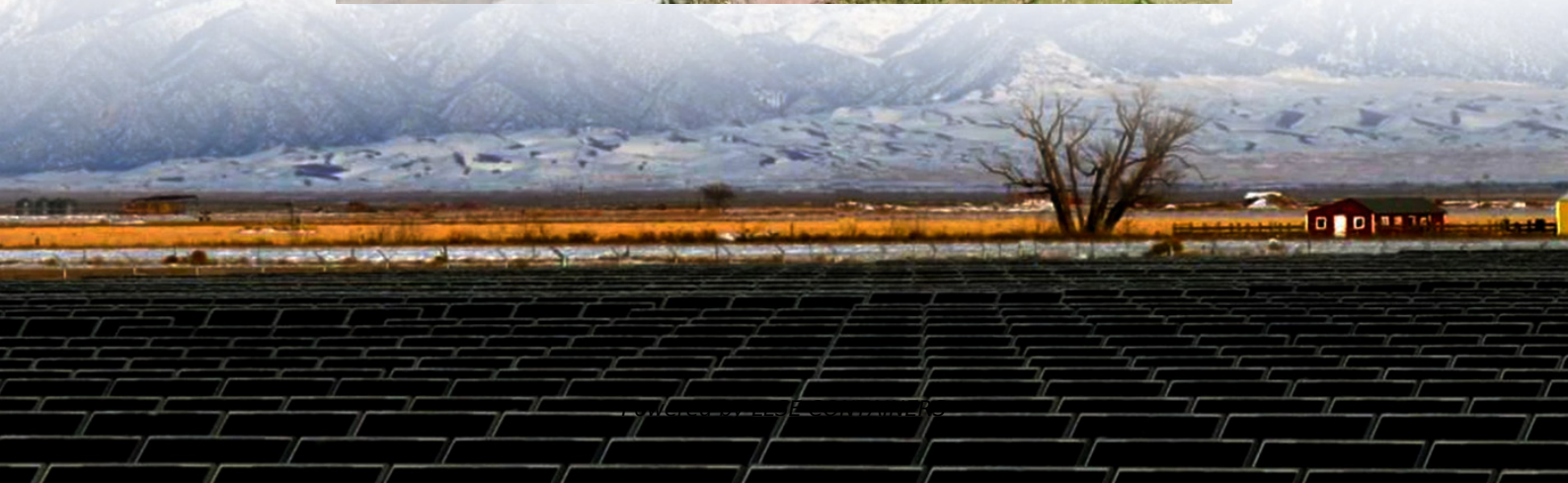


Latvian Solar Containerized High-Pressure Type for Urban Lighting





Overview

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

Available rooftop area and the technical potential of PV systems. Considering the above, the Baltic States have significant technical potential for rooftop PV installations to support the energy transition.

Do PV systems provide energy independence in the Baltic states?

Despite the PV installed capacity and the increase in energy production in the Baltic States, the existing capacities are insufficient to ensure complete energy independence. Table 1 shows the generators of electricity production from PV systems in 2022. Table 1. Overview of the generators of electricity production from PV systems in 2022 [24, 25].

Does Lithuania have a solar power target?

In the Draft Updated NECP , Lithuania has raised its 2030 solar power capacity target by 500 %, aiming for 5.1 GW. Latvia aims to increase the share of renewable energy to 50 % by 2030, but the current NECP does not include specific solar targets.

What is the PV potential of the Baltic states?

The PV potential of the Baltic States is estimated at 40 GW, which is projected to draw 150 billion euros in investment opportunities for the green energy sector over the next 20 to 25 years . The Estonian National Energy and Climate Plan (NECP 2030) outlines Estonia's aim to cut greenhouse gas emissions by 80 % by 2050.



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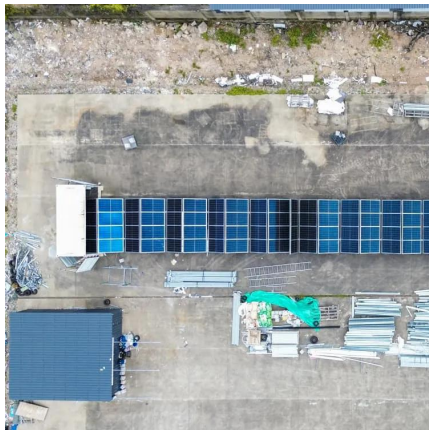
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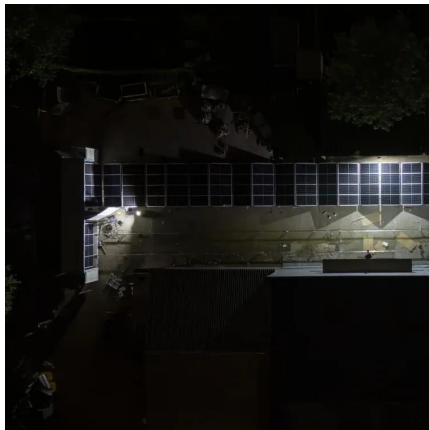
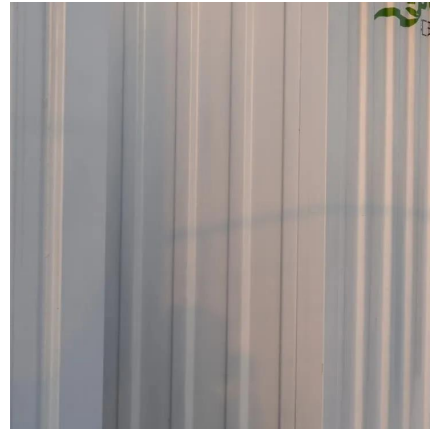
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