

## SolarTech Power Solutions

# Slovak PV Energy Storage Enterprise



## Overview

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What is the share of RES-E in Slovakia's electricity generation?

As of the end of 2024, the share of RES-E in Slovakia's electricity generation increased by a percentage point compared to the previous year, reaching 24.2%. Hydropower continues to lead, comprising 66% of the total installed renewable capacity, followed by solar PV at 29% and bioenergy at 5%.

How many solar PV plants are there in Slovakia?

There are currently 479 utility-scale ground-mounted solar PV plants with almost 586 MW of installed capacity and 528 MW of rooftop PV systems in Slovakia. The largest solar PV plant to-date was commissioned in 2024 in the municipality of Iliašovce (Košice Region) with installed power at 6.3 MW.

How has solar technology changed in Slovakia?

For the second consecutive year, Slovakia has witnessed notable acceleration in the solar PV sector. This growth has been primarily driven by the declining cost of solar technology, coupled with relatively high energy prices faced by businesses, which has increased interest in PV systems.

Is Slovakia a good place to invest in solar power?

Slovakia has experienced a steadily accelerating trend in installed solar PV capacity. Notably, the additions of 267 MW and 274 MW in the past two years have shifted the business-as-usual trajectory upward.

What is the capacity of a stand-alone battery in Slovakia?

In late 2023, the Slovak Battery Alliance (SBaA) estimated the total capacity of stand-alone BESS in Slovakia to be 27.5 MWh. This section aims to provide the most accurate estimate of battery storage market developments across all sectors in 2024.

What does SAPI's annual outlook mean for the Slovak electricity market?

SAPI's annual Outlook provides a quantitative description of the Slovak electricity market, focusing on five renewable energy technologies (RES-E) with potential and a foreseen role in the national energy market.

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