

# **Energy storage operating costs in Slovenia**





## Overview

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How much does electricity cost in Slovenia?

Slovenia, September 2022: The price of electricity is 0.295 U.S. Dollar per kWh for households and 0.186 U.S. Dollar for businesses which includes all components of the electricity bill such as the cost of power, distribution and taxes.

How to invest in the renewables sector in Slovenia?

Investment in the renewables sector has been dependent on the availability of financing mechanisms. The Slovenian Energy Agency is the competent authority for tenders for the feed-in support scheme. Power plant operators, awarded by public tender, may choose between guaranteed purchase and operating premium.

How much natural gas does Slovenia use?

Slovenia uses approximately 0.8 billion cubic meters of natural gas annually, accounting for about 12 percent of the country's energy consumption. The state-owned gas company Geoplin signed a five-year natural gas supply contract with Gazprom in 2018 to import 600 million cubic meters of Russian natural gas per year.

How many coal-fired thermal power plants are in Slovenia?

Slovenia currently operates one coal-fired thermal power plant – the 600 MW Thermal Power Plant Šoštanj sixth unit (TEŠ), which came into operation in 2014. In January 2022, Slovenian government adopted a national strategy to phase out coal by 2033, adopting a more ambitious timeline than was initially considered.

Does Slovenia have a good electricity grid?

Slovenia has an effective electricity grid and is pursuing opportunities to partner with neighboring countries to build and strengthen natural gas



interconnections, as well as opportunities to increase access to and markets in Serbia, Romania, Bulgaria, Greece, Turkey, and the Western Balkans.

What are energy storage technologies?

Informing the viable application of electricity storage technologies, including batteries and pumped hydro storage, with the latest data and analysis on costs and performance. Energy storage technologies, store energy either as electricity or heat/cold, so it can be used at a later time.



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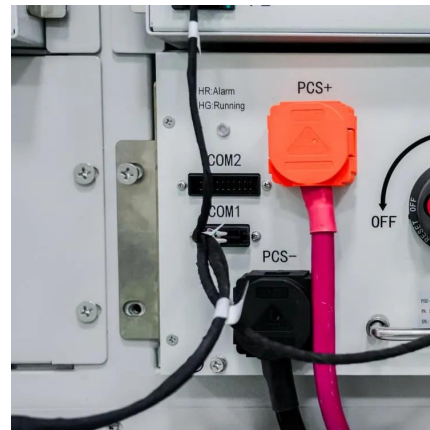


### [Cost Projections for Utility-Scale Battery Storage: 2021 ...](#)

To separate the total cost into energy and power components, we used the bottom-up cost model from Feldman et al. (2021) to estimate current costs for battery storage with storage durations ...

### [Ljubljana Energy Storage Quotes: 2024 Cost Trends & Smart ...](#)

Well, you know what they say - modern problems require modern storage solutions. With electricity prices in Slovenia rising by 18% since January 2024 [1], energy storage systems ...



### [Slovenia to subsidize battery storage for businesses with EUR 17 ...](#)

The grants are intended for the purchase and installation of battery storage units, hybrid inverters, and electrical installations and equipment. The subsidy can cover up to 45% ...

### [Calculation of operation and maintenance costs of energy ...](#)

The energy storage capacity,  $E$ , is calculated using the efficiency calculated above to represent energy losses in the BESS itself. This is an



approximation since actual battery efficiency will ...



### [Cost Analysis for Energy Storage: A Comprehensive Step-by ...](#)

This article presents a comprehensive cost analysis of energy storage technologies, highlighting critical components, emerging trends, and their implications for stakeholders within ...

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