

**SolarInnovate Energy Solutions**

# **Swiss Photovoltaics and Energy Storage**



## Overview

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How will new solar regulations affect Switzerland's electricity grid?

“The new regulations encourage the temporary storage of solar production peaks, which helps relieve the electricity grids,” said Swissolar. Switzerland installed approximately 1.78 GW of new PV capacity in 2024, according to provisional figures from Swissolar.

What are Switzerland's new energy regulations?

Switzerland is expanding rules for rooftop solar, energy storage, and energy communities to expand self-consumption and ease pressure on the grid. The new regulations, set to take effect in 2026, introduce updated tariffs, encourage battery storage, and allow local electricity trading.

How many solar panels did Switzerland install in 2024?

Switzerland installed approximately 1.78 GW of new PV capacity in 2024, according to provisional figures from Swissolar. This marked an increase from 1.64 GW in 2023 and 1.08 GW in 2022, making 2024 a record year for new installations.

What is the Swiss Federal Act on a secure electricity supply?

The Swiss Federal Council has adopted a second set of ordinances to implement the Federal Act on a Secure Electricity Supply from Renewable Energy Sources. The new regulations, set to take effect on Jan. 1, 2026, cover energy communities and minimum remuneration.

How can distribution system operators reduce the cost of a solar system?

Distribution system operators can now set maximum feed-in power at the connection point, reducing delays in connecting solar systems and limiting grid expansions. Solar system operators can store excess power in batteries or electric vehicles. Any imposed limitation must be compensated for if it results in more than a 3% annual yield loss.

## Swiss Photovoltaics and Energy Storage



### Interplay between photovoltaic, wind energy and storage ...

Sep 15, 2017 · As part of its ambitious long term energy strategy, Switzerland plans to phase out nuclear power production and replace most or all of its significant share of national electricity ...

### Peak shaving in distribution networks using stationary energy storage

Jun 1, 2023 · Grid operators are charged not only by their total energy demand, but also by their highest power demand from the superior grid level. The maximum demand charge is usually ...



### Efficient energy storage technologies for photovoltaic systems

Nov 1, 2019 · For photovoltaic (PV) systems to become fully integrated into networks, efficient and cost-effective energy storage systems must be utilized together with intelligent demand side ...

## Future Deployment and Flexibility of Distributed Energy ...

1 day ago · Nevertheless, information on grid-connected distributed energy resources, such as electric vehicles, photovoltaic systems, and heat pumps, is often fragmented, inconsistent, and ...



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