Solar power with grid backup in Switzerland

Overview

In 2021, Switzerland's photovoltaic (PV) installations increased to 685 MWp from 475 MWp in 2020. The Federal Energy Act, revised and effective from Janu, changed the support scheme for PV systems: it extended the one-time investment subsidy to all sizes of PV systems, ranging from 2 kW to 50 MW. Additionally, in 2022, the investment subsidy formula was updated to encourage investments in larger PV capacities and more efficient use of rooftop space.

Solar power with grid backup in Switzerland

Integrating Solar Energy in Switzerland's Electricity Grid

We analyze the effect of such export tariffs on three typical Swiss low-voltage networks (rural, semi-urban, and urban), using power flow analysis to evaluate the power exchanges at the ...

Learn More

Solar power in Switzerland

OverviewSolar productionOppositionFeed-in tariffs 2009 (KEV)Energy Act 2017

In 2021, Switzerland's photovoltaic (PV) installations increased to 685 MWp from 475 MWp in 2020. The Federal Energy Act, revised and effective from Janu, changed the support scheme for PV systems: it extended the one-time investment subsidy to all sizes of PV systems, ranging from 2 kW to 50 MW. Additionally, in 2022, the investment subsidy formula was updated to encourage investments in larger PV capacities and more efficient use of rooftop space.

Learn More

Grid connection of 50 gigawatts photovoltaic systems in ...

ecentralised use of flexibility and to demand rapid grid expansion. It can be assumed that there will be an oversupply of solar power throughout Europe at the same time as production peaks from PV ...

Learn More

Swiss Government Adjusts Solar Tariffs and Grid Regulations - A ...

On particularly sunny days, excessive solar power generation at midday can strain the electricity grid. To prevent costly infrastructure expansion, the revised Electricity Act allows solar ...

Learn More

Switzerland Electricity Generation Mix 2025 , Low-Carbon Power Data

Switzerland's commitment to boosting overall low-carbon electricity generation is reaffirmed by such examples, reinforcing the importance of expanding the capabilities of already reliable energy sources ...

Learn More

Switzerland: Solar set to cover 14% of power demand

The country is making steady progress on solar expansion - but there's still ground to cover. While current demand

for PV systems remains modest, speakers at this year's Swissolar ...

Learn More

Grid stability with photovoltaics - Swissgrid ensures balance

There is a growing number of producers of solar power in Switzerland. But unlike the electricity generated by hydropower plants, the production of photovoltaic plants is not controlled.

Learn More

Solar power in Switzerland

In Switzerland, the price paid for solar energy added to the grid varies widely, ranging from less than 4 cents to as high as 21.75 cents per kWh in 2022 in one canton alone.

Learn More

Switzerland's renewable power generation to reach 31.4TWh in 2035

Looking ahead, Switzerland faces challenges from grid congestion, winter supply gaps, and limited land availability

for utility-scale renewables. At the same time, opportunities are growing ...

Learn More

National Survey Report of PV Power Applications in ...

With almost 1800 MW installed in 2024, rooftop grid-connected is the primary application of PV in Switzerland. Off-grid installations remain very marginal, with 1.2 MW installed in 2024.

Learn More

Factsheets on solar PV locations in Switzerland

The higher the winter electricity production, the more the solar PV panel can contribute to securing a reliable supply and to reducing electricity imports in Switzerland.

Learn More

Contact Us

For catalog requests, pricing, or partnerships, please visit: https://www.v4venison.co.za