

SolarTech Power Solutions

Swedish power station power generation



Overview

Swedish government's target is to have 100% renewable electricity production by 2040. Currently, hydropower contributes the majority of renewable electricity generation of the country. The wind power capac.

How much electricity does Sweden generate?

In 2019, the total electricity generation in Sweden was 164.4 TWh. Around 39.3% from hydropower, 39.1% from nuclear and thermal power, 12.1% from wind power and 9.5% from biomass & waste and solar energy. Around 58% of total electricity generation is from renewable energy resources .

How can a 100% renewable electricity system be achieved in Sweden?

A 100% renewable electricity system in Sweden can be achieved by using wind power generation to fill the gap between electricity consumption and hydropower generation. The total electricity consumption of 2014 in Sweden was 129.83 TWh, and total hydropower generation was 65.01 TWh.

Where can I find information about power plants in Sweden?

Global Energy Observatory/Google/KTH Royal Institute of Technology in Stockholm/Enipedia/World Resources Institute/database.earth Data and information about power plants in Sweden plotted on an interactive map.

What is Sweden's electricity mix?

For the months 2024-09 to 2025-08 the data source is ENTSOE . Sweden's electricity mix includes 41% Hydropower, 28% Nuclear and 26% Wind. Low-carbon generation peaked in 2001.

How many power plants are in Sweden?

Sweden has 168 utility-scale power plants in operation, with a total capacity of 26418.7 MW. Värtaverket This data is a derivative set of data gathered by source mentioned below. Global Energy Observatory/Google/KTH Royal Institute of Technology in Stockholm/Enipedia/World Resources Institute/database.earth.

What is the history of low-carbon electricity generation in Sweden?

The history of low-carbon electricity generation in Sweden is marked by significant changes over the decades. In the early 1980s, nuclear energy saw considerable growth, highlighted by increases in 1981 and 1986.

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