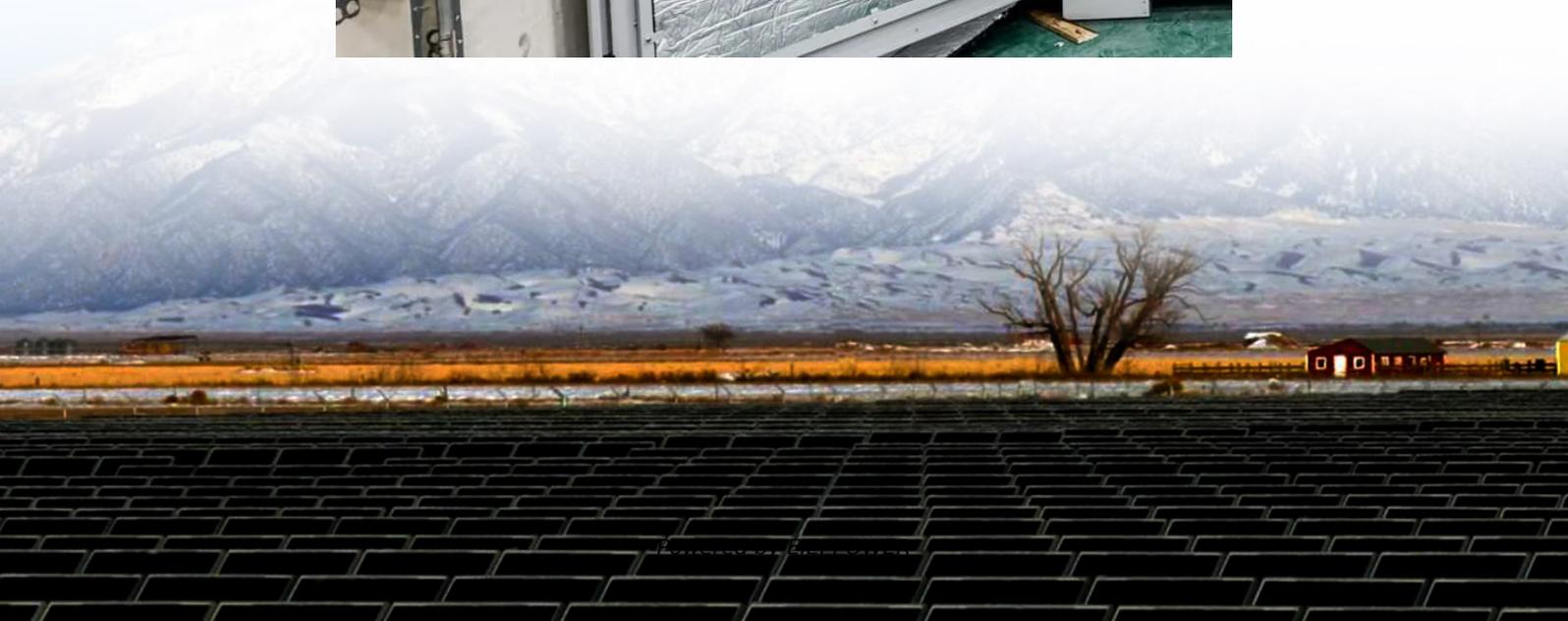


# Solar energy system application example in Gothenburg Sweden





## Overview

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How much solar power does Gothenburg have?

Seasonal solar PV output for Latitude: 57.7065, Longitude: 11.967 (Gothenburg, Sweden), based on our analysis of 8760 hourly intervals of solar and meteorological data (one whole year) retrieved for that set of coordinates/location from NASA POWER (The Prediction of Worldwide Energy Resources) API: Average 6.05kWh/day in Summer.

Where is solar power produced in Sweden?

In Gothenburg, Västra Götaland County, Sweden (latitude 57.7065 and longitude 11.967), solar power generation varies across the seasons due to its location in the Northern Temperate Zone.

Does Gothenburg's climate affect solar energy production?

Despite its potential for solar power generation, Gothenburg's climate presents some challenges that could impact energy production efficiency from photovoltaic panels. Cloudy days can reduce available sunlight, while heavy snowfall may cover panels and obstruct their ability to absorb light effectively.

How many solar PV locations are there in Sweden?

So far, we have conducted calculations to evaluate the solar photovoltaic (PV) potential in 172 locations across Sweden. This analysis provides insights into each city/location's potential for harnessing solar energy through PV installations. Link: [Solar PV potential in Sweden by location](#)



## Solar energy system application example in Gothenburg Sweden

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### [Energy Production in the Heart of the City](#)

As Gothenburg is located close to the shore of the North Sea, the salt spray resistance of the modules is the key to longevity and productivity of the modules. The SHARP NU-AK300B ...

### [Sweden Gothenburg Residential Solar Project](#)

This project is located in an ordinary residential area in Gothenburg, Sweden. It explores the potential of photovoltaic (PV) technology in the high-latitude regions of Northern Europe, ...



### **Harnessing the Swedish Sun: The Rise of Solar Cells in Gothenburg**

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### [From Rays to Electricity: Gothenburg's Solar Cells](#)

...

Aug 26, 2023 · The city has several solar power plants, including a 5.6 MW solar power plant at the Säve Flygplats, which is the third-largest solar power plant in Sweden. The plant has an ...



### [Gothenburg Västra Götaland County solar project](#)

Sep 9, 2025 · Gothenburg Västra Götaland County solar project is an operating solar farm in Gothenburg, Västra Götaland County, Sweden.





### Solar Cells in Gothenburg: A Beacon for Sustainable Cities

Gothenburg is Sweden's second-largest city, with a population of over one million people. The city has set a goal to become climate-neutral by 2030, and solar energy plays a significant role in ...



### **Harnessing the Power of the Sun: Innovations in Gothenburg's Solar**

Mar 4, 2024 · Sweden, a nation renowned for its commitment to sustainability, is at the forefront of a solar revolution. Gothenburg, the second largest city in the country, is a hub of innovation ...

### Solar PV Analysis of Gothenburg, Sweden

Ideally tilt fixed solar panels 48° South in Gothenburg, Sweden To maximize your solar PV system's energy output in Gothenburg, Sweden (Lat/Long 57.7065, 11.967) throughout the ...



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