



FTMRS SOLAR

# How many watts of solar power does Tbilisi generate





## Overview

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How much energy does Georgia use?

About 80% of Georgia's electricity generation comes from hydro resources (80.5% in 2021), with the remainder produced from natural gas and from a 20.7-megawatt (MW) wind power plant (83.4 GWh in 2020). The residential sector has the largest share of final energy consumption (1.41 Mtoe in 2020), followed closely by transport (1.34 Mtoe in 2020).

What percentage of Georgia's electricity comes from renewables?

The remainder is covered by renewables (5.5%) and coal (4.7%). About 80% of Georgia's electricity generation comes from hydro resources (80.5% in 2021), with the remainder produced from natural gas and from a 20.7-megawatt (MW) wind power plant (83.4 GWh in 2020).

Is Georgia a reliable energy source?

Georgia has developed a stable and reliable energy sector that has been largely unbundled since the mid-1990s; its primary domestic energy sources are hydropower and fuelwood.

What is Georgia's final energy consumption?

Georgia's final energy consumption was 4.49 Mtoe in 2020. From 2000 to 2020, both final energy demand and electricity consumption per capita more than doubled, and are very close to global averages. The final energy mix is relatively diverse compared with other countries in the region.



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### Solar energy generation by region

Jun 27, 2025 · Energy Institute - Statistical Review of World Energy (2025) - with major processing by Our World in Data. "Electricity generation from ...

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#### Tbilisi

Monthly weather, degree day, solar energy and wind energy statistics and solar power statistics for Tbilisi Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 0 % 5 % 10 % 15 % 20 % solar ...

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#### Georgia Solar Panel Manufacturing , Market ...

Explore Georgia solar panel manufacturing with market analysis, production statistics, and insights on capacity, costs, and industry growth trends.

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#### Solar PV Analysis of Tbilisi, Georgia

Seasonal solar PV output for Latitude: 41.6959, Longitude: 44.832 (Tbilisi, Georgia), based on our analysis of 8760 hourly intervals of solar and ...

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#### Tbilisi's Energy Storage Revolution in 2025: Powering a ...

Why Tbilisi's Grid Can't Keep Up with Renewable Ambitions You know, Tbilisi's energy landscape is at a crossroads. With solar capacity growing 18% annually since 2022 and wind projects ...

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#### Overview - Georgia energy profile - Analysis

2 days ago · Georgia energy profile - Analysis and key findings. A report by the International Energy Agency.

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#### Georgia Solar Panel Manufacturing , Market Insights Report

Explore Georgia solar panel manufacturing with market analysis, production statistics, and insights on capacity, costs, and industry growth trends.

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#### TBILISI PHOTOVOLTAIC SOLAR ENERGY CHINA ...

Tbilisi Energy Photovoltaic Energy Storage In Tbilisi, the integration of photovoltaic power generation and energy storage is being developed through various initiatives: A facility ...

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#### Solar panel system calculator "Tbilisi"

Tbilisi Georgia Solar Production Calculator for 1,000 Watts of Solar Panels.

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#### Tbilisi solar energy storage

Tbilisi solar energy storage How much solar energy does Georgia have? Solar irradiance in Georgia varies between 1 250 kWh/m<sup>2</sup> and 1 800 kWh/m<sup>2</sup> annually, and total solar energy ...

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Tbilisi Energy Storage: How Photovoltaic Solar Lights Are ...

Why Tbilisi's Energy Scene is Perfect for Solar Innovation a sunny afternoon in Tbilisi, where the cobblestone streets glow not from old-fashioned lampposts, but from sleek photovoltaic solar ...

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Solar PV Analysis of Tbilisi, Georgia

Seasonal solar PV output for Latitude: 41.6959, Longitude: 44.832 (Tbilisi, Georgia), based on our analysis of 8760 hourly intervals of solar and meteorological data (one whole year) retrieved ...

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Solar energy generation by region

Jun 27, 2025 · Energy Institute - Statistical Review of World Energy (2025) - with major processing by Our World in Data. "Electricity generation from solar power" [dataset].

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Overview - Georgia energy profile - Analysis

2 days ago · Georgia energy profile - Analysis and key findings. A report by the International Energy Agency.

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