



FTMRS SOLAR

# Armenia Solar-Proof Electricity System





## Overview

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Does Armenia have solar energy?

Armenia has significant solar energy potential: average annual solar energy flow per square metre of horizontal surface is 1 720 kWh (the European average is 1 000 kWh), and one-quarter of the country's territory is endowed with solar energy resources of 1 850 kWh/m<sup>2</sup> per year. Solar thermal energy is therefore developing rapidly in Armenia.

What percentage of Armenia's Energy is renewable?

Renewable energy resources, including hydro, represented 7.1% of Armenia's energy mix in 2020. Almost one-third of the country's electricity generation (30% in 2021) came from renewable sources. Forming the foundation of Armenia's renewable energy system as of 6 January 2022 were 189 small, private HPPs (under 30 MW), mostly constructed since 2007.

Which agrivoltaic solar project will be a pilot project in Armenia?

15 kW agrivoltaic solar station will be the first pilot project in Armenia. The project is planned to be implemented in the Jermuk enlarged community of Vayots Dzor region Investment Project of Solar PV Plants construction On the roof of the museum was installed a 20.71 kW photovoltaic power station.

What is the procedure for energy audits in Armenia?

The Procedure for Energy Audits is the norm-setting legal act that regulates energy audits in Armenia. This procedure was approved by Government Decree 1399-N of 31 August 2006 and revised by Decree 1105-N of 4 August 2011 and Decree 1026-N of 10 September 2015.



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Armenia's green energy transition: Solar power capacity set ...

Jan 3, 2025 · A Strategic push for Solar energy in Armenia Armenia's geography provides an ideal setting for solar power generation, with over 2,500 hours of sunshine annually. ...

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Armenia's Solar Growth Faces Challenges: Balancing Clean Energy

Nov 5, 2025 · During daytime peaks, solar energy production has hit 780 MW--already exceeding a national energy demand of around 650 MW and forecasted to reach 900 MW as autumn ...

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Armenia exceeds solar capacity target by 2025

Oct 29, 2025 · This aligns with Germany's own robust support systems, such as KfW loans and EEG feed-in tariffs, empowering individuals to contribute to the energy transition, lower their ...

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Energy system transformation - Armenia ...

2 days ago · Energy system transformation Renewable energy Renewable energy resources, including hydro, represented 7.1% of Armenia's energy ...

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Solar energy production in Armenia has reached a new level.

Nov 4, 2025 · Armenia continues to actively expand its solar energy sector, aiming to increase the share of renewable energy production and strengthen the country's energy independence. As ...

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Armenia hits 1 GW solar milestone - pv magazine International

Oct 30, 2025 · The rationale is straightforward: the existence of 1,000 MW solar power plants presents certain challenges for Armenia's energy system." The 1 GW threshold suggests ...

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Solar Takes Off: Can It Fuel Armenia's Energy Independence?

Oct 16, 2025 · Energy specialist Vahe Davtyan argues that Armenia's rapid expansion of solar power is creating energy system risks due to lack of proper integration, storage strategy, and ...

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A Stronger Power Grid for Armenia's Energy Security and ...

Nov 25, 2025 · Rebuilding the Vital Backbone Transmission lines are the backbone of Armenia's energy system, carrying power from plants to industries, businesses, and households. Without ...

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Energy system transformation - Armenia energy profile - ...

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Armenia's Largest Solar Power Plant: "Masrik-1" Strengthens ...

Mar 10, 2025 · In Gegharkunik Province, Shtigen has constructed Armenia's largest solar



power plant as of 2024. The construction of "Masrik-1" lasted 11 months, continuing uninterrupted

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