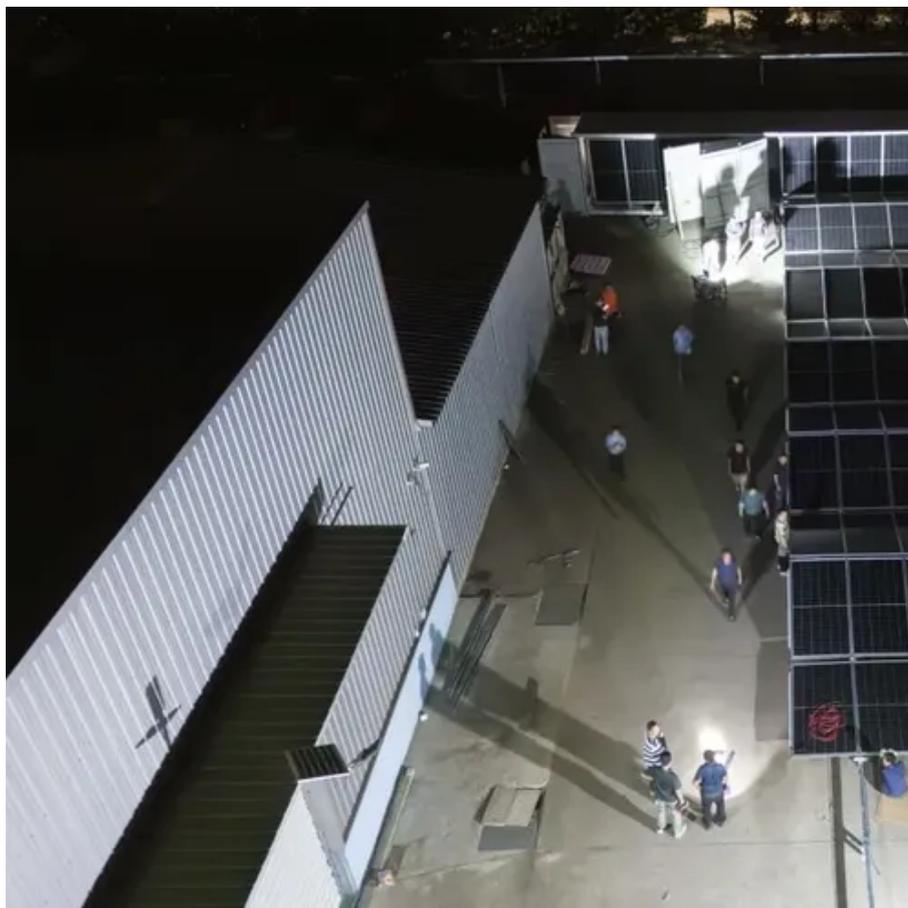




# Solar power generation system in Armenia





## Overview

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Armenia's geography provides an ideal setting for solar power generation, with over 2,500 hours of sunshine annually. Recognizing this potential, the government introduced policies and subsidies to encourage the construction of solar farms and the adoption of rooftop solar systems.

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Solar energy is widely available in Armenia due to its geographical position and is considered a developing industry. In 2022 less than 2% of Armenia's electricity was generated by solar power. [1] The use of solar energy in Armenia is gradually increasing. [2] In 2019, the European Union.

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.

If in 2021 the share of solar energy in the total volume of electricity production in Armenia was 1.2%, then in 2024 it will be ten times more - 11.9%. This remarkable growth highlights the country's commitment to transitioning toward renewable energy sources and reducing dependence on fossil.

In recent years, the field of solar energy in Armenia has developed rapidly. Solar power plants with a total installed capacity of 1,045 megawatts are already connected to Armenia's power system, exceeding the target set by the national strategy. This progress has been facilitated by state policies.

Solar energy production in Armenia has reached a new level: power plants with a total capacity of 1,045 MW are now connected to the national energy system. - EcoVille Solar  
Solar energy production in Armenia has reached a new level. Armenia continues to actively expand its solar energy sector.

Armenia is significantly increasing its focus on solar power development in 2025, a



move underscored by Prime Minister Nikol Pashinyan's call for greater attention to solar energy expansion. This strategic shift aims to boost the nation's energy independence and is supported by a recent energy.



## Solar power generation system in Armenia



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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 ...

### [Armenia solar power: Impressive 2025 growth is essential](#)

Armenia's focus on solar energy is a core component of its strategy to reduce dependence on imported fossil fuels and bolster national energy security. Currently, the ...



### **Solar power in Armenia**

In 2019, the European Union announced plans to assist Armenia towards developing its solar power capacity. The initiative has supported the construction of a power plant with 4,000 solar ...

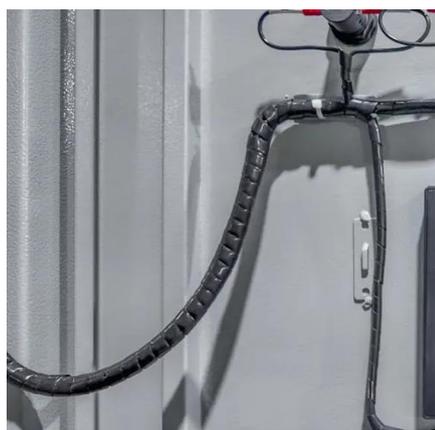
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The Renewable Energy Investment Plan for Armenia was approved within the framework of the Climate Investment Funds' Scaling-Up Renewable Energy Programme (SREP), which has ...



### Solar power in Armenia

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### Solar energy is helping Armenia diversify beyond its aging nuclear

At Solarvance, we offer climate-adapted, snow-resilient, and high-efficiency solar systems for Armenia's diverse environments. Whether powering a guesthouse in Dilijan, a greenhouse in ...



### Solar energy production in Armenia has reached a new level: power

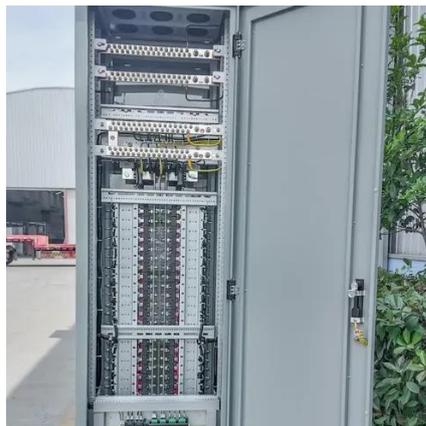
Solar energy production in Armenia has reached a new level. Armenia continues to actively expand its solar energy sector, aiming to increase the share of renewable energy ...



### Solar Energy



Armenia has very high potential for solar energy ( average annual solar energy output per 1 m2 of the horizontal surface is 1720 kWh/m2 and one-fourth of the country has 1850 kW/m2 of solar ...



### [Armenia sees rapid growth in solar power sector](#)

In recent years, the field of solar energy in Armenia has developed rapidly. Solar power plants with a total installed capacity of 1,045 megawatts are already connected to ...

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Armenia's geography provides an ideal setting for solar power generation, with over 2,500 hours of sunshine annually. Recognizing this potential, the government introduced ...



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