



All in one solar power system in armenia

What is solar energy in Armenia?

Solar energy in Armenia is an important source of renewable energy, and its technologies are broadly characterized as active solar or passive solar, depending on how they capture and distribute solar energy or convert it into solar power.

What is Armenia's largest solar power plant?

The 200-megawatt plant named Ayg-1 will be Armenia's largest solar power plant with a capacity of around half of Armenia's main energy generator, the Metsamor nuclear power plant. The plant is planned to be built in the Aragatsotn province in an area of over 500 hectares located in Talin, Dashtadem, Katnaghbyur and Yeghnik communities.

What is Armenia's energy mix?

According to the International Energy Agency, in 2019 renewables represented 8.8% of Armenia's energy mix. Around 32% of the electricity generation came from renewable resources including hydro. Armenia manages to cover 24% of energy demand with domestic production, which comes mostly from nuclear and hydro energy.

Armenia and the UAE have agreed to begin the construction of the industrial-scale photovoltaic solar power plant "Ayg-1" in Armenia in early 2026.

Armenia's solar sector saw record growth in 2025, adding 615 MW to reach 1.1 GW total and meet a key 2030 national energy target five years ahead of schedule.

The number of household solar power plants grew by 60% in 2025, according to an Armenian press briefing, while their capacity grew by 52% year-on-year.

Image: Yuri Krupenin/Unsplash Armenia's cumulative solar capacity has reached 1.1 GW, the country's Minister for Territorial Administration and Infrastructure, Davit Khudatyan, has said. The ...

Why Armenia Is Betting on Solar Power Armenia's mountainous terrain and 300+ annual sunny days make it an ideal candidate for photovoltaic systems. The Gyumri Solar Project - operational since ...

The Solar Energy Forum in Yerevan was more than a meeting; it was the starting gun for a race Armenia has decisively won. By shattering its 2030 solar energy target years ahead of ...

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 ...

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 coordination ...



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Solar energy - light and heat radiated from the sun, which is used by a number of constantly developing technologies, such as solar heating, photovoltaics, solar architecture and ...

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 of today, ...

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