



# Largest off grid solar power system Armenia

Built with double-faced solar panels, the project will be contributing to the country's sustainable economic growth, generation of wealth and local employment. This is the first competitively-tendered solar-photovoltaic project in Armenia and it will be the first utility-scale solar power plant in Armenia, which is also the first for the ...

Masdar has signed an agreement with the Government of the Republic of Armenia to develop a 200-megawatt (MW) solar photovoltaic (PV) plant. The Ayg-1 project will be Armenia's largest utility-scale solar plant.

Masdar and Armenian government finalized an agreement to build solar power plant by 2025 in Armenia. Ayg-1 is a 200 MW plant which will become Armenia's largest solar plant. The plant will have around half of the current capacity of Armenia's main energy generator.

Wide implementation of solar PV systems is currently in progress. As of 1 July 2022, around 102.8 MW of solar PV installations (of up to 5 MW each) were in operation. Another batch of grid-connected PV power plants totalling 176.7 MW are under construction, the largest being the Masrik solar PV station with 55 MW of installed capacity.

Armenia's largest solar power facility is under construction in the Gegharkunik region. Shtigen Group undertook the building of the Masrik-1 solar plant, which has a capacity of 62 MW and covers 130 hectares. The construction phase began in November 2023.

Masrik Solar will help assure the reliability of Armenia's electricity supply by increasing the country's peak-load capacity at affordable tariffs, while also contributing to lowering the greenhouse gas emissions from the power system.

Masrik-1 (Armenia's largest solar power plant) is under construction in the Gegharkunik region; led by the Shtigen Group. Despite challenging weather conditions, the 62 MW project which spans 130 hectares and started in November 2023 is progressing steadily with over 130 dedicated workers.

Today was a significant day for Optimum Energy - a leading Armenian solar PV developer. After four years of hard work, they officially launched yet one of the largest solar PV projects in Armenia, with total 60 MW peak power capacity. The complex is comprised of several small-scale PV plants in Aragatsotn province.

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In 2018 the amount of solar power produced in Armenia increased by nearly 50 per cent. Government figures show that Armenia's solar power average is 60 per cent better than the European average. In March 2018 an international consortium consisting of the Dutch and Spanish companies won the tender for the construction of a 55 MW solar power ...

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