

## A-Core Container

# Cyprus imports solar power generation systems



## Overview

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How much solar energy does Cyprus have?

Cyprus is also characterized by an abundant solar energy resource across the whole year: the average global solar can reach 2000 kWh/m<sup>2</sup>. Wind energy is instead quite limited over the island of Cyprus, with an annual average wind speed below 4 m/s in the majority of areas.

What is the future of solar power in Cyprus?

Solar photovoltaic (PV) power has already attained prominence, with installed capacity in 2030 expected to reach between 500 megawatts (MW) and 1,000 MW, depending on the scenario. The roadmap also indicates that deployment of renewables could greatly reduce energy import dependence while lowering the cost of electricity generation in Cyprus.

Does Cyprus have a bicommunal solar power plant?

In July 2023, the United Nations Development Programme (UNDP) Cyprus announced a study for a bicommunal solar power plant in Cyprus, with funding from the EU. Managed by the UNDP and supported by the EU, the study aims to enhance cooperation between the island's communities and align with the European Green Deal.

How can EVs be used in Cyprus?

Efforts include promoting electric vehicles (EVs) via charging infrastructure and encouraging solar adoption through programs like net metering and self-consumption. In July 2023, the United Nations Development Programme (UNDP) Cyprus announced a study for a bicommunal solar power plant in Cyprus, with funding from the EU.

How much solar power does Cypriots need?

In 2011, the Cypriot target of solar power, including both photovoltaics and concentrated solar power, was a combined 7% of electricity by 2020.

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