

When will Cyprus photovoltaic energy storage be revived



Overview

Cyprus will begin implementing renewable energy storage systems in 2026 at the earliest, Energy Minister George Papanastasiou announced during parliamentary discussions on Tuesday, addressing the country's growing need to manage excess green energy production. How much solar energy has been curtailed in Cyprus in 2025?

In the first five months of 2025, Cyprus' grid operators curtailed 19,850 MWh of solar from residential and small commercial PV systems – about 14% of total curtailed energy during that period, Procopiou told pv magazine.

Why does Cyprus have a lack of solar energy?

Lack of Storage: Unlike other countries with hydroelectric dams or large battery storage facilities, Cyprus has nowhere to store excess solar energy during peak hours. Grid Congestion: In some areas, distribution lines can't handle the extra electricity being pushed into them, forcing operators to curtail solar production.

Is Cyprus reducing solar power?

In contrast, Cyprus curtailed 29% of its generated renewable energy in 2024, up from 13.4% in 2023 and 3.3% in 2022. Also notable, said Dr. Andreas Procopiou, founder of CyprusGrid, is that Cyprus is curtailing a record volume of solar power from residential PV units this year.

Does Cyprus have a green power crisis?

Curtailment of green power in Cyprus has become an acute issue for the country's electricity sector, which is now also cutting significant volumes of solar power generated by residential and small commercial units. Unless Cyprus meaningfully adopts energy storage, its energy transition remains in jeopardy.

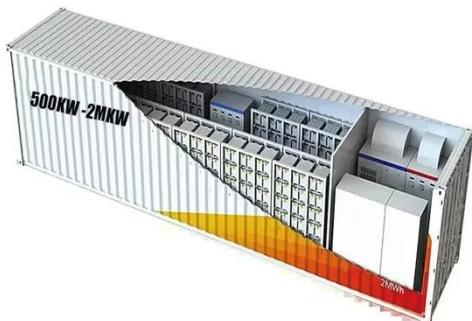
How many energy storage applications have been approved in Cyprus?

The Cyprus Energy Regulatory Authority (CERA) representatives reported establishing a regulatory framework for energy storage in 2019, followed by market rules approval in 2021. The Cyprus Transmission System Operator has received 13 storage applications totaling 224 megawatts capacity, with eight applications processed and five under review.

Why does Cyprus waste so much energy?

AKEL MP Costas Costa characterised Cyprus as “the only country in the world where thousands of megawatt-hours go unused due to lack of centralised green energy storage systems,” adding: “During the day we waste megawatt-hours because we lack storage, and at night we are one step away from blackouts.”

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Cyprus approves energy storage subsidy scheme

Cyprus approves energy storage subsidy scheme Applications for participation in the scheme will be accepted from January 15, 2025.

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Cyprus to have energy storage in 16 months, says Energy Minister

Cyprus will have its first large-scale electricity storage infrastructure in place within 16 months, Minister of Energy George Papanastasiou has said.

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Nicosia solar farm

Nicosia solar farm is an announced solar photovoltaic (PV) farm in Akaki, Nicosia province, Cyprus. Project Details Table 1: Phase-level project details for Nicosia solar farm

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TotalEnergie won an environmental approval for a photovoltaic park in Cyprus of 100 MW in peak capacity, with energy storage.

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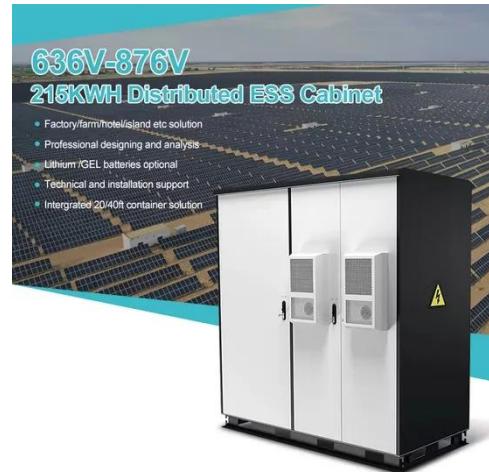
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Cyprus: Guidance issued for 150MW/350MWh energy ...

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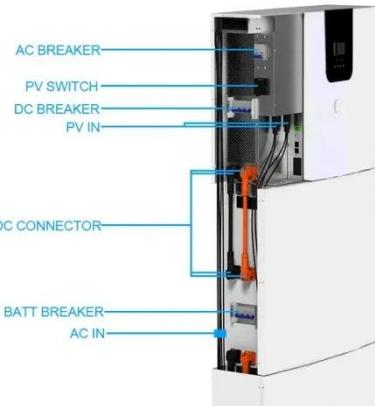
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