

Will a new battery storage facility strengthen Ukraine's grid?

Sept. 10, 2025. (Bohdan Nazarenko/DTEK) Ukraine's biggest private energy firm, DTEK, has launched a major battery storage facility that will bring power to hundreds of thousands of homes and strengthen the grid ahead of expected Russian attacks this winter, the company said.

How much solar does Ukraine need?

Estimates from the agency add that Ukraine needs to deploy around 24 GW of distributed PV before the end of 2030, alongside 5.6 GWh of BESS, to create a more decentralized and secure power system and achieve objectives featured in its national energy and climate plan. As of 2024, the country had around 7 GW of distributed solar.

Will IEA increase the deployment of distributed solar & BESS in Ukraine?

The IEA has proposed three potential policies to increase the deployment of distributed solar and BESS in Ukraine. The agency's latest report says distributed solar has played a key role in restoring and adding energy capacity in Ukraine since Russia's invasion, which has repeatedly targeted energy infrastructure.

What are Ukraine's policies for distributed solar?

Ukraine's existing policies for distributed solar include low interest loans provided by the government, available only in conjunction with the recently-introduced net-billing scheme. The net-billing scheme allows households to sell surplus electricity at the hourly wholesale electricity price, minus distribution system operator charges and taxes.

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Ukrainian private utility DTEK has launched the largest battery storage project in Ukraine and one of the largest in Eastern Europe, with a capacity of 200 MW/400 MWh. The installation, ...

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The system is designed to provide 400 MWh of storage capacity, which the companies state is sufficient to power 600,000 Ukrainian homes for two hours. Bulgaria has an operational 124 ...

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# Energy storage system installation in Ukraine

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1. Current Trends and Drivers of Ukraine's Energy Storage Market Renewable energy sources" (RES) generation has emerged as a strategic priority in the development of Ukraine's ...

A report by the International Energy Agency (IEA) recommends three strategies to accelerate the deployment of distributed solar and battery energy storage systems (BESS) in ...

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