

## **PDEOZE PowerContainer**

# **Ukraine s 1GW energy storage power station**



## Overview

---

DTEK, Ukraine's biggest private energy company, has begun final commissioning of the country's largest battery energy storage project, the company announced on July 10 at the Ukraine Recovery Conference (URC) in Rome. Why is Ukraine investing €140 million in energy storage?

The €140 million total investment aims to enhance power grid stability, bolstering Ukraine's energy security and independence. The project will be the biggest operational energy storage portfolio in Eastern Europe at the time of commissioning.

What is Ukraine's energy source?

Half of Ukraine's installed capacity came from thermal power plants (TPPs), with the remainder distributed between nuclear power plants (NPPs), hydropower and pumped storage plants (HPPs), and renewable energy sources such as wind, solar, and biomass. Ukraine's energy generation by type and share in the system. Source: Energy Community.

How much electricity will Kyiv's power plant store?

Together, they will store up to 400 MWh of electricity - enough to supply two hours of power to 600,000 homes (equivalent to roughly half the households in Kyiv).

How much energy did Ukraine produce before the invasion?

An FT report, published at the beginning of June, stated that Ukraine's energy production prior to the full-scale invasion was 55 GW and dropped below 20 GW in recent months, citing Ukrainian officials.

How much power does Ukraine have?

For context, a single GW is enough to power approximately 750,000 homes simultaneously in the US. Ukraine lost nine times that within three months. Pre-war capacity Before Russia launched its full-scale invasion in February 2022,

Ukraine had 56 GW of installed capacity – sometimes called nameplate capacity – and 36 GW of actual capacity.

Do Ukrainian businesses use gas turbines?

For electricity only, businesses in Ukraine are also installing gas turbine power plants and gas piston power plants, Orlova added. Kudrytskyi explained that companies also use generators – both gas and diesel – to provide backup energy.

## Ukraine s 1GW energy storage power station

---

The EUR140 million total investment aims to enhance power grid stability, bolstering Ukraine's energy security and independence. The project will be the biggest operational energy storage portfolio in Eastern Europe at the time of commissioning.

Half of Ukraine's installed capacity came from thermal power plants (TPPs), with the remainder distributed between nuclear power plants (NPPs), hydropower and pumped storage plants (HPPs), and renewable energy sources such as wind, solar, and biomass. Ukraine's energy generation by type and share in the system. Source: Energy Community.

Together, they will store up to 400 MWh of electricity - enough to supply two hours of power to 600,000 homes (equivalent to roughly half the households in Kyiv).

An FT report, published at the beginning of June, stated that Ukraine's energy production prior to the full-scale invasion was 55 GW and dropped below 20 GW in recent months, citing Ukrainian officials.

For context, a single GW is enough to power approximately 750,000 homes simultaneously in the US. Ukraine lost nine times that within three months. Pre-war capacity Before Russia launched its full-scale invasion in February 2022, Ukraine had 56 GW of installed capacity - sometimes called nameplate capacity - and 36 GW of actual capacity.

For electricity only, businesses in Ukraine are also installing gas turbine power plants and gas piston power plants, Orlova added. Kudrytskyi explained that companies also use generators - both gas and diesel - to provide backup energy.

Fluence Energy, in partnership with DTEK Group, has successfully completed Ukraine's largest battery-based energy storage project, with a capacity of 200 MW, in under six months. This project consists of six ...

Jul 6, 2024 · In short, very bad. Ukraine has lost more than half its pre-war energy capacity, and with questions over the feasibility of protecting Ukraine's power plants, alternative solutions are vital.

How many energy storage plants are there in Ukraine? The six energy storage plants will be located at multiple sites across Ukraine, with capacities ranging from 20 MW to 50 MW and a ...

Jul 15, 2025 · DTEK and Fluence Energy have entered the commissioning phase for Ukraine's largest battery energy storage system (BESS) - 200MW of capacity spanning six sites across the country. This project now ranks ...

Jan 13, 2025 · The EUR140 million total investment aims to enhance power grid stability, bolstering Ukraine's energy security and independence. The project is split between six energy storage ...

Sep 12, 2024 · The agreement covers numerous projects distributed across Ukraine. BESS are vital in making possible the decentralisation of Ukraine's energy sector, the announcement said, by helping it move from a system ...

Jul 15, 2025 · DTEK and Fluence Energy have entered the commissioning phase for Ukraine's largest battery energy storage system (BESS) - 200MW of capacity spanning six sites across ...

Jul 10, 2025 · DTEK, Ukraine's biggest private energy company, has begun final commissioning of the country's largest battery energy storage project,, developed in partnership with Fluence ...

Sep 11, 2025 · Ukrainian private utility DTEK has energised the largest battery storage project in the war-torn country and one of the biggest ones in Eastern Europe. The 200 MW/400 MWh installation spans six sites ...

Jul 11, 2025 · DTEK and Fluence have begun commissioning Ukraine's largest battery energy storage system, a 200 MW/400 MWh installation spread across six sites that represents one of the biggest storage

Sep 11, 2025 · Ukrainian private utility DTEK has energised the largest battery storage project in the war-torn country and one of the biggest ones in Eastern Europe. The 200 MW/400 MWh ...

Why Ukraine's Energy Crisis Demands Immediate Storage Solutions As of March 2025, over 60% of Ukraine's pre-war power generation capacity remains offline due to sustained infrastructure ...

Jul 10, 2025 · DTEK, Ukraine's biggest private energy company, has begun final commissioning of the country's largest battery energy storage project,, developed in partnership with Fluence Energy Inc., DTEK announced on ...

Sep 12, 2024 · The agreement covers numerous projects distributed across Ukraine. BESS are vital in making possible the decentralisation of Ukraine's energy sector, the announcement ...

Jul 11, 2025 · DTEK and Fluence have begun commissioning Ukraine's largest battery energy storage system, a 200 MW/400 MWh installation spread across six sites that represents one of ...

Jul 6, 2024 · In short, very bad. Ukraine has lost more than half its pre-war energy capacity, and with questions over the feasibility of protecting Ukraine's power plants, alternative solutions are ...

Fluence Energy, in partnership with DTEK Group, has successfully completed Ukraine's largest battery-based energy storage project, with a capacity of 200 MW, in under six months. This ...

## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.pdeozepv.pl>