

# Ukrainian cabinet energy storage system project

*LiFePO<sub>4</sub> Battery, safety*

*Wide temperature: -20~55°C*

*Modular design, easy to expand*

*The heating function is optional*

*Intelligent BMS*

*Cycle Life: ≥ 6000*

*Warranty: 10 years*





## Overview

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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 ranging from 20 MW to 50 MW and connected to the power grid in the Kyiv and Dnipropetrovsk regions. How many battery energy storage systems are there in Ukraine?

The project includes six battery energy storage systems of varying capacities – from 20 to 50 MW each – connected to the Ukrainian power grid. Collectively, the systems have the capacity to store 400 MWh of electricity, enough to power 600,000 Ukrainian homes for two hours.

What does DTEK's new energy storage system mean for Ukraine?

The new project aims to strengthen Ukraine's energy security and support the transition to a greener energy system. DTEK Group aims to commission the new storage systems by September 2025.

Will DTEK build a 200MW battery energy storage system in Ukraine?

DTEK unveils €140m plan for 200MW battery energy storage systems in Ukraine. (Credit: DTEK) DTEK Group, a private investor in Ukraine's energy sector, has announced a €140m investment plan to construct a series of battery energy storage systems (BESS) in the country with a combined capacity of 200MW.

How much electricity can a fluence system store in Ukraine?

Collectively, the systems have the capacity to store 400 MWh of electricity, enough to power 600,000 Ukrainian homes for two hours. The storage systems, leveraging Fluence's innovative storage technology, are expected to enhance grid stability and resilience in Ukraine through advanced grid-forming capabilities.

Can Fluence improve grid stability & resilience in Ukraine?



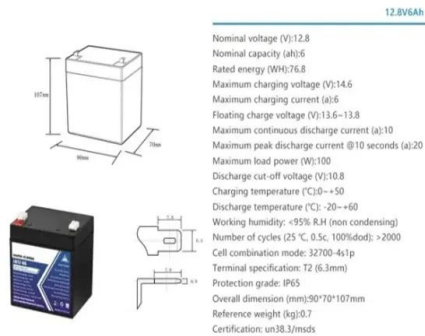
The storage systems, leveraging Fluence's innovative storage technology, are expected to enhance grid stability and resilience in Ukraine through advanced grid-forming capabilities. The project's construction was completed in only six months, significantly faster than the industry average for projects of such complexity.

What ancillary services will Ukraine's transmission system operator UkrEnergo provide?

Once operational, these energy storage facilities will provide ancillary services to Ukraine's Transmission System Operator Ukrenergo. The services will include automatic frequency restoration reserves, which DTEK Group secured the rights to offer following a competitive auction held on 22 August 2024, alongside other industry participants.



## Ukrainian cabinet energy storage system project



### [LARGEST BATTERY ENERGY STORAGE SYSTEM PROJECT ...](#)

LSP Renewables commends the recent announcement by DTEK, which has secured UAH 3 billion (EUR67 million) in financing from a consortium of Ukrainian banks to construct one of the ...

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### Ukraine unveils unique energy storage complex -- photos Ukraine ...

17 hours ago · A complex of energy storage systems capable of powering 600,000 homes for two hours has begun operation in Kyiv and Dnipropetrovsk Oblasts, Energy Ministry reported on ...

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### LIQUID COOLING ENERGY STORAGE SYSTEM

EMS real-time monitoring  
No container design  
flexible site layout



### [RENEWABLE ENERGY INTEGRATION PROGRAM ...](#)

Objectives The primary objective of Ukraine's Investment Plan (IP) is to enhance the flexibility of the nation's energy systems, making it possible to seamlessly integrate a larger volume of ...

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### Energy Storage in Ukraine - Upcoming Regulatory Changes and ...

On 14 April 2020, EASE organised a joint webinar with UESA - The Ukrainian Energy Storage Association to address the status of energy storage in the country. Ukraine is the biggest ...



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### **DTEK plans to invest EUR140m in Ukraine's energy storage systems**

The new project aims to strengthen Ukraine's energy security and support the transition to a greener energy system. DTEK Group aims to commission the new storage ...

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### **Fluence Energizes Ukraine's Largest Battery Energy Storage ...**

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 ...

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### **Fluence Energizes Ukraine's Largest Battery Energy Storage Project ...**

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 ...

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## DTEK and Fluence energise the largest energy storage portfolio ...

23 hours ago · The project includes six battery energy storage systems of varying capacities - from 20 to 50 MW each - connected to the Ukrainian power grid.

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## Ukraine's largest battery energy storage project enters final ...

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 ...

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## Kudrytsky and Nemyrovsky launch energy project with Fiala , Ukrainian

According to Kudrytskyi, the project aims to build a diversified portfolio of energy capacities for the Ukrainian energy system: energy storage systems, gas generation, and ...

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## Rebuilding Ukraine's energy sector: International support and

Since the start of the war, Russia has inflicted severe damage on Ukraine's energy infrastructure, leading to a critical need for comprehensive rebuilding efforts. As a result of the ...

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## [DTEK and Fluence energise the largest energy storage](#)

23 hours ago· Fluence's energy storage systems will contribute to the development of a clean and resilient energy system through increased system decentralisation and should enable ...

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## [Ukraine unveils unique energy storage complex -- photos ...](#)

17 hours ago· A complex of energy storage systems capable of powering 600,000 homes for two hours has begun operation in Kyiv and Dnipropetrovsk Oblasts, Energy Ministry reported on ...

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## **DTEK to Invest EUR140M in Energy Storage Systems to Boost Ukraine...**

DTEK is to build a series of energy storage systems in Ukraine with a capacity of 200 MW to help build a secure and green energy system. & euro;140 million will be invested in ...

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## [DTEK launches Ukraine's largest energy storage facility](#)

1 day ago· Experts report that energy storage systems will provide Ukraine's power grid with additional resilience and stability. The project also promotes the development of green energy ...

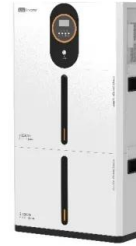
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## Ukraine launched the largest Eastern European energy storage ...

5 hours ago· DTEK and American Fluence completed the construction of the largest energy storage system (BESS) in Eastern Europe. The project will ensure stable electricity supply to ...

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## [Ukraine's biggest battery storage project goes online](#)

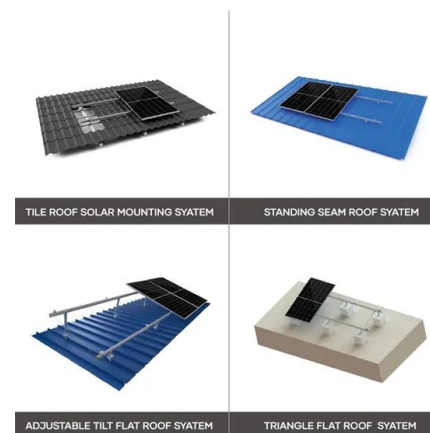
1 day ago· The systems will also enable Ukraine to store electricity generated from a diverse mix of energy sources, helping to smooth supply fluctuations and integrate more renewable energy ...

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## [Ukraine's biggest battery storage project goes online](#)

14 hours ago· 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 ...

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## [Energy System During War: How it Works in Ukraine . The Gaze](#)

Energy System During War: How it Works in Ukraine. Ukrainian energy workers have gained invaluable experience under Russian shelling. But they need equipment, money, ...

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### **Ukraine launched the largest Eastern European energy storage system**

5 hours ago · DTEK and American Fluence completed the construction of the largest energy storage system (BESS) in Eastern Europe. The project will ensure stable electricity supply to ...

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