

Ukraine Power 2 2KWH Base Station





Overview

What is Ukraine's energy roadmap?

A roadmap for Ukraine's increased use of distributed energy resources towards 2030. This roadmap from the IEA, *Empowering Ukraine through a Decentralised Energy System*, outlines a pathway to rebuild and modernise Ukraine's power sector amid ongoing attacks on its energy infrastructure.

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.

Is Russia targeting Ukraine's energy system?

Ukraine's energy system has been regularly targeted by Russia since its full-scale invasion in 2022, with attacks intensifying since the spring of 2024. The targeting of energy infrastructure has had wide-ranging consequences for the provision of energy to Ukrainian households and other consumers.

Can a decentralised electricity system empower Ukraine?

Hence, in context of the report *Empowering Ukraine Through a Decentralised Electricity System*, a pioneering, detailed and bottom-up approach was developed to create a new high-resolution dataset of capacity and generation potential for Ukraine.



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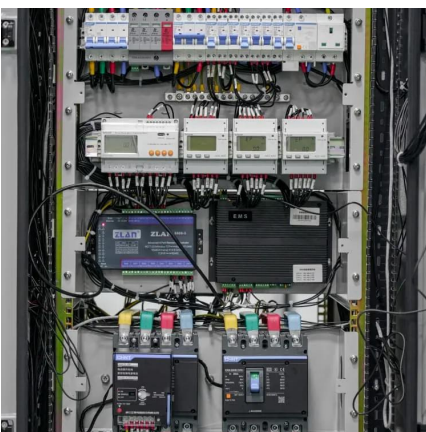
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Figure 2. Power stations of Ukraine -overview map Source: ...

An essential prerequisite for the development of Ukraine is a rationally formed energy system that covers the electricity demand of society and assures the smooth functioning of the national



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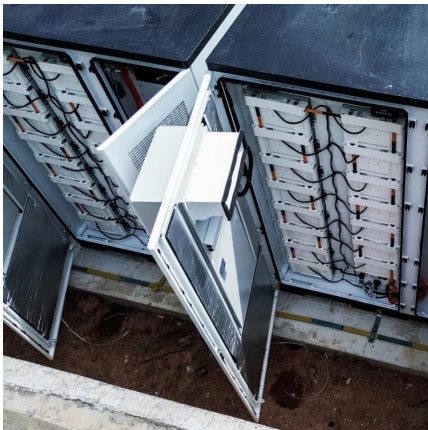
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[Power Plants in Ukraine \(Map\) , database.earth](#)

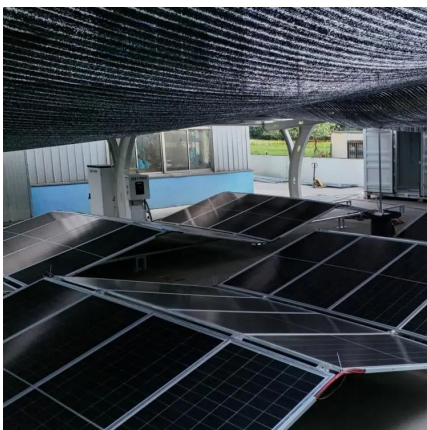
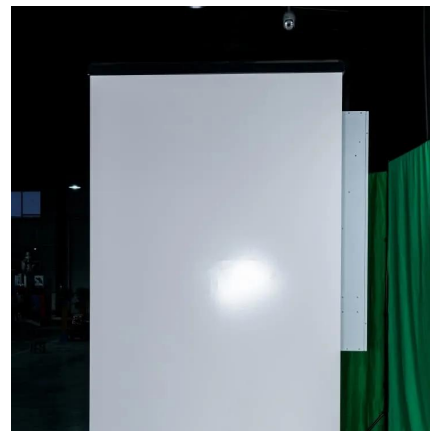
Data and information about power plants in Ukraine plotted on an interactive map.

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Why a decentralized grid is central to Ukraine's efforts to rebuild Ukraine is making a "strategic shift" toward distributed energy resources.



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