



Ukrainian communication base station photovoltaic power generation system energy storage

Can solar power plants help Ukrainian society?

"Solar power plants can help Ukrainian society," Sokolovskyi says, by giving energy independence to private citizens and businesses. Moreover, support for critical infrastructure like hospitals, clinics and schools - the kind of work Semenyshyn's Repower Ukraine does - often comes from PV and energy storage combined.

Why are Ukrainian businesses turning to self-consumption solar PV systems?

Following three years of bombardments and damage to its energy infrastructure, Ukrainian businesses are turning to self-consumption solar PV systems to keep the lights on.

Should Ukraine embrace decentralisation and microgrids?

As Ukraine rebuilds its energy infrastructure, embracing decentralisation and microgrids is crucial for enhancing energy security, resilience and independence. However, overcoming legislative and regulatory barriers is essential for unlocking the full potential of these technologies.

How does the war in Ukraine affect PV & storage?

The ongoing war in Ukraine has been a catalyst for PV and storage deployment. Image: Oleg Ivanov via Unsplash. When the shelling gets worse, sales of renewable energy systems increase; when it eases, demand subsides until the shelling starts again. "It's pretty funny," says Artem Semenyshyn, board member at RePower Ukraine Charitable Foundation.

Which Ukrainian cities are implementing decentralized energy solutions?

Several Ukrainian cities are already taking steps to implement decentralized energy solutions: Vinnytsia: Through the cooperation of JSC Vinnytsiaoblenergo and a small hydropower plant operator, five microgrid networks have been created in the Vinnytsia region.

Why is Ukraine not able to generate more electricity?

This gap makes it financially unviable to generate more electricity due to the need to pay for grid transit once connected. To address these issues, Ukraine must develop a clear algorithm for small networks and incorporate appropriate changes into the regulatory framework.

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