

U.S.-manufactured perovskites produced by Swift Solar were used in a demonstration of a Rapid Deployment Hybrid Microgrid used for critical infrastructure cyber defense.

Department of Defense Instruction 4170.111 requires installations to be more energy resilient, and as a result, many installations are pursuing microgrids to meet their energy resiliency ...

To increase mission readiness and stay prepared for the energy needs of tomorrow, the Department of the Air Force is investing in microgrid solutions across the enterprise to remain resilient in the face of ...

The installation, which includes solar panels, a 5-MWh battery storage system and a microgrid control system, is touted as the only Department of Defense microgrid fully powered by renewable energy.

The current domestic geographic deployment of microgrid installations in the critical U.S. defense infrastructure is reviewed and compared to historical grid failures and existing and planned ...

US-made perovskite tandem cells from Swift Solar were used in a US Department of Defense hybrid microgrid as part of a recent cybersecurity demonstration.

This article defines the concept of a Defense Energy Architecture that may guide the construction of microgrid systems to supply desired energy production while supporting energy ...

Discover how Swift Solar's U.S.-made perovskite tandem solar technology, deployed with the DoD at Cyber Fortress, is redefining energy security and powering AI-era infrastructure.

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In October 2025, the U.S. Army collaborated with the National Renewable Energy Laboratory (NREL) and the Defense Advanced Research Projects Agency (DARPA) to demonstrate a deployable ...

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