

Title: How to transmit solar power in the air

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A compact aperture, a parabolic mirror, and well matched solar cells add up to a receiver that wastes less and delivers more. Sending hundreds of watts across miles of air is now a ...

In a remarkable first, scientists at the California Institute of Technology say they've successfully transmitted solar energy gathered by a satellite in orbit down to the Earth's surface, as...

A space solar power prototype has demonstrated its ability to wirelessly beam power through space and direct a detectable amount of energy toward Earth for the first time.

Power beaming sends electrical energy through the air using electromagnetic waves, skipping the need for physical wires. This tech lets us deliver power wirelessly over anything from a ...

The space solar power system that SSPIDR is developing will use a novel "sandwich tile". The tile collects solar energy in space via photovoltaic cells, converts the solar energy into Radio Frequency ...

The Northern Virginia-based company successfully transmitted energy to ground solar panels from a moving aircraft, demonstrating the functionality of its technology.

Researchers from Japan Space Systems (JSS) recently beamed energy wirelessly from a speeding jet to antennae on the ground. The successful experiment confirms the viability of ...

Caltech's Space Solar Power Project (SSPP) demonstrator has wirelessly transmitted power in space for the first time.

A space solar power prototype that was launched into orbit in January is operational and has demonstrated its ability to wirelessly transmit power in space and to beam detectable power to ...

The transmitter array uses precise timing-control elements to dynamically focus the power selectively on the



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desired location using the coherent addition of electromagnetic waves. This ...

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