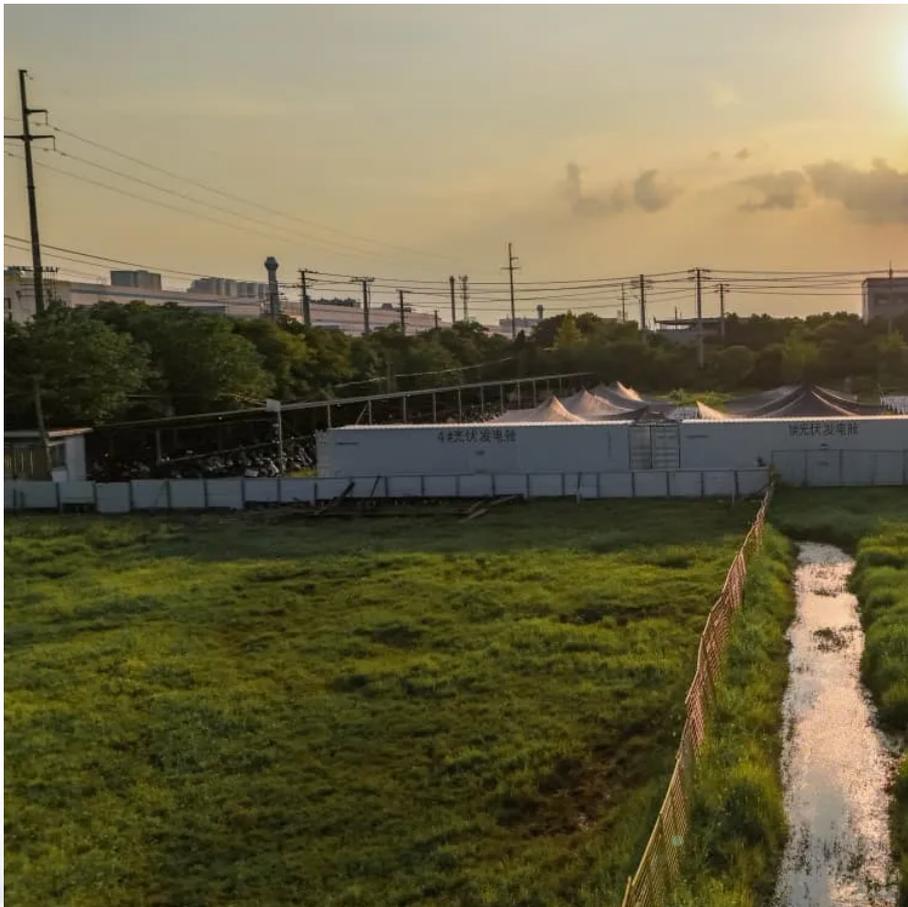


# **Promote cooperation in solar container energy storage systems**





## Overview

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How can shared storage improve energy systems?

By integrating shared storage into these projects, system operators can better manage their energy resources, improve grid stability, and support the transition to renewable energy sources. This model fosters participants cooperation and investment, leading to more sustainable and resilient energy systems. 6. Conclusions.

How do we integrate storage sharing into the design phase of energy systems?

We adopt a cooperative game approach to incorporate storage sharing into the design phase of energy systems. To ensure a fair distribution of cooperative benefits, we introduce a benefit allocation mechanism based on contributions to energy storage sharing.

What are the potential applications of shared storage?

Potential Applications: (1) The shared storage model can be applied to residential, office, and commercial buildings to optimize energy usage and reduce costs. For example, multiple buildings within a community or business park can share a centralized storage facility, enabling them to collectively manage their energy needs more effectively.

How can a centralized storage facility help a community?

For example, multiple buildings within a community or business park can share a centralized storage facility, enabling them to collectively manage their energy needs more effectively. This application not only lowers individual energy costs but also enhances the community's energy resilience.



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