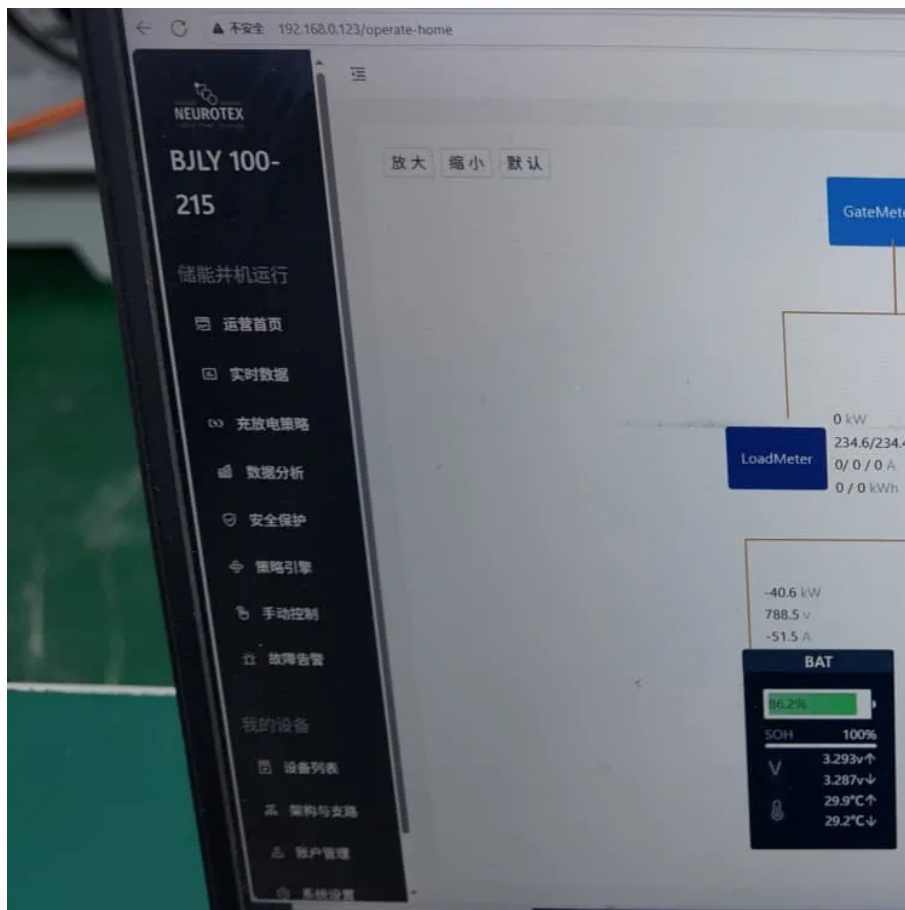


Energy storage distributed generation UHV





Overview

Do UHV transmission projects reduce thermal power generation?

Our results show that UHV transmission projects have significantly reduced thermal power generation and increase renewable energy production and the share of end-use electricity.

What is UHV transmission?

Moreover, UHV transmission projects have transformed power production from “coal transportation on the ground” to “power transmission in the sky,” thereby fostering the development and distribution of renewable energy.

How does UHV transmission technology affect energy structure in China?

Impact of UHV transmission technology on energy structure in China is investigated. UHV reduces thermal power generation and boosts renewable energy generation. UHV shifts ground-based coal transportation to power transmission in the sky. Firms' energy consumption behavior changes and shifts to electrified production.

How has UHV transmission changed the energy supply mode?

We find that the opening of UHV transmission projects has changed the energy supply mode from “coal transportation on the ground” to “power transmission in the sky,” which has caused the transformation of the power production structure and promoted the development of renewable energy in resource-rich areas.



Energy storage distributed generation UHV

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