

## SolarTech Power Solutions

# Power generation and energy storage subsidies



## Overview

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Do energy storage subsidies affect 'new energy + storage' projects?

Furthermore, while the Chinese government has introduced new energy storage policies and corresponding subsidies to promote renewable energy consumption, few scholars have considered the economic effects of energy storage subsidies on “new energy + storage” projects.

How do government subsidies help energy storage enterprises?

Government subsidies alleviate the financial constraints of energy storage enterprises. Government subsidies promote R&D investment in energy storage enterprises. Differentiated subsidy strategies can generate higher TFP improvement returns. Government subsidies are an important means to guide the development of the energy storage industry.

Do energy storage subsidy policies stimulate photovoltaic energy storage integration projects?

The results indicate that, while the current energy storage subsidy policies positively stimulate photovoltaic energy storage integration projects, they exhibit a limited capacity to cover energy storage investment costs, thereby failing to incentivize capital market participation in the construction of such projects.

Are subsidy policies necessary for energy storage?

Hence, subsidy policies are indispensable. However, the current subsidies for energy storage mostly range from 0.1 to 0.3 RMB/kWh, with subsidy periods mostly limited to three years.

What is the energy storage capacity subsidy?

Additionally, the energy storage capacity subsidy is a one-time payment of 200 CNY/kW, while there are ongoing subsidies for charging and discharging (0.5 CNY/kWh) and for peak-valley arbitrage (0.7 CNY/kWh). The energy

storage system is assumed to operate for 300 days annually, with two charge-discharge cycles per day.

Do government subsidy levels influence energy storage operators' engagement and power system transformation?

Government subsidy levels both influence and are influenced by energy storage operators' engagement and power system transformation. Energy storage operators become proactive when their participation profit coefficient exceeds a critical threshold.

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