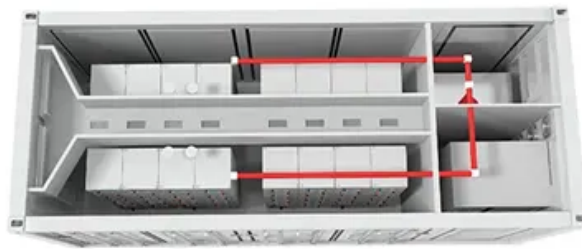


Solar Storage Container Solutions

Solar photovoltaic panels subsidies for residents



Overview

What is a government subsidy for residential photovoltaics?

Policy variables. A government subsidy (Subsidy) for residential photovoltaics mainly refers to power generation subsidies, that is, a monetary reward for every kilowatt-hour of electricity generated by solar panels. The subsidy standards for each household are obtained from the National Development and Reform Commission (NDRC).

Why is government subsidy important in the PV market?

The contribution of government subsidy in the PV market has gradually changed from inducing residents to start investing in solar PV equipment to inducing investment in larger-capacity PV equipment. An appropriate government subsidy can reduce the restrictions of SRI, LCOE, FIT, and other factors on the residential installation.

Does government subsidy affect PV installation?

Although residents also install PV facilities when the government subsidy is higher than 0.06 CNY/kWh, this has brought unnecessary financial pressure to government. This confirms the necessity of establishing an appropriate government incentive policy according to the SRI in different regions.

Is PV subsidy a unit subsidy?

Regardless of the electricity sales model adopted, the subsidy policy for residential distributed PV is unified as a unit subsidy (National Development and Reform Commission of China, 2019).

Does PV generation subsidy phase-out affect total electricity consumption?

The results of our study indicate that there is a larger rebound effect on total electricity consumption during the announcement of the PV generation subsidy phase-out. However, this effect gradually weakens over time as the policy is implemented.

Does China have a PV generation subsidy phase-out policy?

To test our argument, we use the case of the PV generation subsidy phase-out policy in China. China is the world's largest PV market, and the household PV industry has heavily relied on subsidy-based business models (Xiong and Yang, 2016).

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