

SolarInnovate Energy Solutions

Ulaanbaatar household photovoltaic energy storage growth rate



Overview

What are the energy problems in Ulaanbaatar?

The energy problems in Ulaanbaatar are urban design problems; the energy solutions are urban design solutions—they need to be considered in tandem. Meeting the energy needs of all residents requires making choices that will direct how the city will develop.

What are the challenges facing Ulaanbaatar?

The challenges facing Ulaanbaatar are a mix of policy, infrastructure, and urban design. The scenarios, therefore, play out interactions between all three sets of issues, making clear the entanglements between energy policy, infrastructure, and the city.

What is slowing the decarbonization of Ulaanbaatar's energy grid?

There are several dynamics at play that are slowing the decarbonization of Ulaanbaatar's energy grid. Much of this phenomenon has to do with the system used to award PPA contracts, and with political interference in setting energy production targets at different facilities.

Can Ulaanbaatar reduce coal dependence?

Perhaps counterintuitively, Ulaanbaatar's inability to build an efficient, modern new centralized coal-fired CHP plant (CHP#5) has actually opened more avenues for reducing coal dependence than if it had been constructed.

What is Ulaanbaatar known for?

The core of Ulaanbaatar is a dense district of Soviet-era apartment buildings, shopping centers, and civic buildings, along with newly constructed contemporary high-rise apartments and commercial office buildings.

Why is Mongolia unable to finance renewable power projects?

Partly, this has to do with the government's failure to honor past renewable Power Purchase Agreements, which has raised the cost of borrowing from international lenders and banks due to perceived country risk. Mongolian banks, meanwhile, lack the capital to finance these projects.

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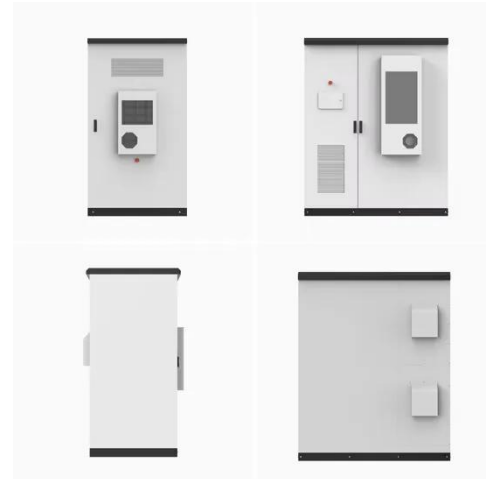


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