

## SolarInnovate Energy Solutions

# Mongolia outdoor power bms structure



## Overview

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Will Mongolia's new battery energy storage system bring back blue skies?

New ADB-backed battery energy storage system in Mongolia will put on track the decarbonization of the energy sector and help unlock renewable energy potential to bring back blue skies to Mongolia's urban areas.

Will Mongolia have a battery energy storage system?

A planned battery energy storage system for Mongolia will be the largest of its type in the world and provide a blueprint for other developing countries to follow as they decarbonize their power systems. Mongolia's coal-dependent energy sector accounts for about two thirds of Mongolia's greenhouse gas emissions.

Does Mongolia have a coal-dependent energy sector?

Mongolia's coal-dependent energy sector accounts for about two thirds of Mongolia's greenhouse gas emissions. World's largest battery energy storage system planned in Mongolia with ADB backing will provide a blueprint for other developing countries to decarbonize power systems.

Could a battery energy storage system be a blueprint for developing countries?

Smoke from coal-fired generators belches amid the winter landscape of the city of Bayankhongor in Mongolia. Photo: Graham Dwyer/ ADB A planned battery energy storage system for Mongolia will be the largest of its type in the world and provide a blueprint for other developing countries to follow as they decarbonize their power systems.

What is Mongolia's first utility-scale advanced Bess?

The country's first utility-scale advanced BESS with a capacity of 125 MW/160 MWh is being financed by an ADB loan of \$100 million and grant of \$3 million from the High-Level Technology Fund approved in April 2020. "One of the

challenges [in Mongolia] is the variability of renewable energy generation and the lack of regulation reserve.

Why does Mongolia have a shortage of energy?

Mongolia is in the midst of a demographic change as the rapidly growing population increasingly gravitates toward the cities, creating a need for energy that cannot keep pace with demands. On the periphery of urban areas, the informal ger areas lack public services such as district heating.

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