

**PIENAAR ENERGY (PTY) LTD**

# **Mongolia installs solar air conditioners**



## Overview

---

Ulaanbaatar, 3 February 2025 – The Chingeltei District of Ulaanbaatar and the United Nations Development Programme (UNDP) in Mongolia have launched the Solar Facility Project, a new initiative to reduce air pollution and accelerate Mongolia's transition to clean energy. The project will introduce a 70 kWp photovoltaic system for solar electric heating of two kindergartens in Ulaanbaatar. A water-based heating system with heating rods and latent heat storage. Here, we discuss legislation and financing for renewable energy sources, as well as regulation regarding the social and environmental impacts of renewable energy projects. This year, the capital city plans to insulate 51,000 households and convert to gas or electric heating. Households that have fully shifted to gas or electric. Mongolia has set an ambitious goal: to supply 30% of its energy from renewable sources by 2030. Despite significant challenges like infrastructure gaps and

## Mongolia installs solar air conditioners

---



### Under the Eternal Blue Sky: How Mongolian Families ...

A community-based initiative is helping ger district families transition from polluting coal stoves to solar-powered heating.

[Get Price](#)

## Mongolia's Renewable Energy Goal: From Coal to Clean Power

As of 2023, Mongolia had three wind farms and nine solar farms, alongside several small hydro plants. These renewable sources now account for 18.3% of installed capacity and 9.6% of total ...

[Get Price](#)



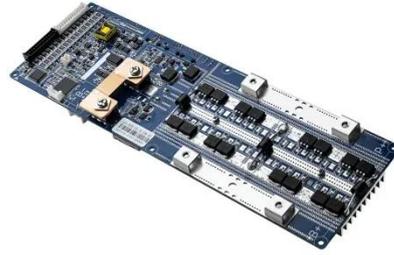
### Solar and wind power generation air conditioning

The onetime investment of a wind-solar energy air conditioning system is highly profitable for the consumers and it also provides the solution for energy deficiency.

[Get Price](#)

## Pathways for Mongolia's Just Energy Transition , Joint SDG Fund

In 2024, 69 households in Ulaanbaatar and Erdenet adopted solar PV-powered heating systems, providing a sustainable alternative to coal. This initiative improved air quality, supported ...



[Get Price](#)



## Cooperation with ADB in Shifting Ger Districts to Solar Energy Discussed

Ulaanbaatar city officials and the Asian Development Bank discussed implementing a project to transition ger areas from coal to solar energy. The city plans to connect 1,000 households ...

[Get Price](#)

## Improved indoor air quality effects from a coal-to-solar transition

This microstudy underscores a critical finding that a coal-to-solar energy transition can substantially reduce household air pollution, and immediate efforts are necessary to study its impacts on a larger ...



[Get Price](#)

## Solar and wind power in Mongolia: 2024 policy

## overview



Mongolia has a target of 30% renewable energy capacity by 2030, reflecting the country's commitment to transitioning to a low-carbon, green economy as outlined in the Vision 2050 strategy.

[Get Price](#)

---

## How Transitioning from Coal to Renewable Energy Transformed a Mongolian

Her system was installed just before winter, and although she was nervous about making it through the cold months without coal--especially with a newborn baby--the experience quickly ...



[Get Price](#)



---

## Chingeltei District and UNDP Join Forces for Cleaner Air and Solar

Ulaanbaatar, 3 February 2025 - The Chingeltei District of Ulaanbaatar and the United Nations Development Programme (UNDP) in Mongolia have launched the Solar Facility Project, a new ...

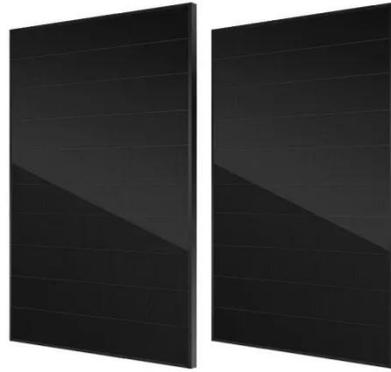
[Get Price](#)

---

## Mongolia: Heating with solar electricity

The second heating system in Kindergarten B uses the electricity from a 20 kWp photovoltaic system to directly and efficiently heat the individual rooms with 19 air-conditioning units, i.e. air-to-air heat pumps.

[Get Price](#)



---

## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://pienaarshof.co.za>

