

## Kongres Container

# Ethiopia Solar Home Power System



## Overview

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IDCOL and the Ethiopian Ministry of Water & Energy joined forces on December 22, 2023, in Addis Ababa, sealing a significant deal for Advisory Services to drive the implementation of the Solar Home System program. Sultan Welle Ahmed, the state minister for Energy Development in Ethiopia, and Shibli.

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As Ethiopia is a country with 13 Months of Sunshine, we didn't use this power even if we need such untouched power to solve one of the main challenges of our communities. Kerosine lamp or fire wood were the only solution as light source for them. Such sources are very Hazardous and dangerous for.

The current energy access in Ethiopia stands at 44%, where 33% is provided through grid connections and 11% through off grid solutions. In order to increase the electricity access, the Ethiopian government has launched National Electrification Program laying out the country's ambition towards.

Circular economy startup Inter Ethiopia Solutions (IES) is refurbishing solar home systems and repurposing lithium-ion batteries that would otherwise be discarded as waste in order to provide affordable, clean energy solutions for

rural and off-grid communities, and to reduce the environmental harm.

According to the researches, Ethiopia is blessed with an abundance of sunlight, receiving an average of 5.5 to 6.5 kWh/m<sup>2</sup>/day throughout the year, This vast solar potential, coupled with declining costs of solar technology, provides a significant opportunity for the country to harness clean energy.

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