

## SolarMax Energy Systems

# Kenya s new outdoor power supply

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## Overview

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Does Kenya have electricity access?

Electricity access soared from 37% in 2013 to 79% in 2023, according to the latest Kenyan energy policy review prepared by the International Energy Agency and the Kenyan government. (The IEA has defined electricity access as being able to power at least a handful of basic devices.).

Will Kenyans be able to bring electricity?

The Kenyan government has an energy transition and investment plan that looks ahead to 2050, and which calls for \$600 billion in investments, mainly in power and transport. If Kenyans wait for domestic sources of financing, the nation may not be able to bring electricity to the millions of Kenyans who still lack it, Wachira says.

Which energy sources are used in Kenya?

Approximately 90% of Kenya's electricity is generated from renewable/clean energy sources. Of these, geothermal remains the most significant source with an estimated potential of 10,000MW, but it remains relatively unexploited with a current installed capacity of less than 985MW. Kenya is the seventh largest geothermal producer in the world.

Who owns the power in Kenya?

Around a third of Kenya's installed capacity is owned and operated by independent power producers (IPP) across several plants, including small-scale hydro, geothermal, biomass, wind, solar, and heavy fuel oil plants. The remaining capacity is owned and operated by Kenya Electricity Generating Company (KenGen), which is 70% government owned.

What are the advantages of renewable electrification in Kenya?

One big advantage with renewable electrification has been Kenya's natural resources. "Kenya just has a sweetheart resource endowment," Mutiso puts it.

The IEA estimates that geothermal, hydro, wind and solar power generate nearly 90% of the electricity.

Can solar power cooking in Kenya?

There have been separate projects with solar systems to power electric cooking, including in Kenya's refugee camps, which have particularly helped women and their families move away from polluting fuel sources. Kenya is already home to Africa's largest wind farm.

## Kenya s new outdoor power supply

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## Kenya More Than Doubled Electricity Access Over A Decade

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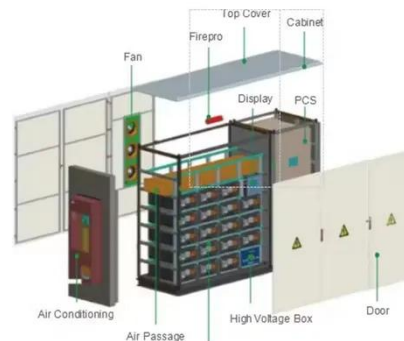
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