



# Addis ababa solar energy policy

Is Ethiopia planning a solar power plant near Addis Ababa?

Ethiopia's state-owned electric power company is planning to develop a 100 MW Solar PV power plant near the town of Metahara, 200 km east of the capital Addis Ababa. The project is supported by Power Africa, a U.S. Government-led partnership to promote new generation and increase access to electricity in Africa.

Can solar power transform Ethiopia's energy landscape?

Among these, solar energy emerges as a beacon of hope, poised to transform Ethiopia's energy landscape and drive socioeconomic development. Significantly, the country has relied heavily on hydropower, which accounts for more than 90% of its electricity generation.

Does Ethiopia have solar power?

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.

Why should Ethiopia invest in solar energy?

As a signatory to the Paris Agreement, Ethiopia is committed to reducing greenhouse gas emissions and achieving carbon neutrality by 2030. The deployment of solar energy systems not only helps mitigate climate change but also supports the country's broader sustainable development objectives, including poverty alleviation, and economic resilience.

Ethiopia is poised to become a global model for renewable energy transition, harnessing its abundant solar resources to deliver affordable and reliable electricity while driving sustainable development. ...

This is despite Ethiopia's immense potential and suitability for solar power production, given its exceptionally high annual solar radiation levels. Last week, the Ministry of Water and ...

Ethiopia has taken a significant leap toward harnessing its abundant solar energy resources through a historic partnership with the International Solar Alliance (ISA). Announced in ...

Addis Ababa: Despite the huge clean energy infrastructural development in Ethiopia the capital city Addis Ababa, like many African cities, experiences frequent power outages. During times ...

of Addis Ababa based on identified influential factors for solar energy development. First, the identified barriers are classified into economic, policy and institutional, inform

The Ethiopia Solar Energy Development Association (ESEDA) is an independent non-profit association dedicated to facilitating the growth and development of the solar energy business in ...

By Awot Hailelassie -- August 13, 2025 | Addis Ababa, Ethiopia Ethiopia has taken a bold leap towards its clean energy future, sealing a landmark partnership with the International Solar ...



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Addis Ababa, August 16, 2025 (ENA)-- The International Solar Alliance (ISA) has reaffirmed its commitment to strengthening support toward fulfilling the huge potential of solar development in ...

Ethiopia has been identified as one of Africa's most promising solar power growth markets, with a new industry report pointing to surging electricity demand, large access gaps and policy shifts ...

Ethiopia is increasingly identifying the urgent need to transition from traditional energy sources to more sustainable alternatives. Among these, solar energy emerges as a beacon of hope, ...

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