

SolarMax Energy Systems

Modern Energy Storage Solutions in Ethiopia



Overview

Can energy transition support the SDGs in Ethiopia?

Ethiopia is endowed with a variety of renewable energy resources. This enormous potential however remains largely unexploited. Energy poverty, inefficiency, and insecurity are still major challenges. Energy transition could support almost all SDGs in the country.

Does Ethiopia have a good energy system?

These and other features reveal that Ethiopia lacks a modern, flexible, reliable, and affordable energy system that could withstand its fast-growing energy demand due to high growth rates of population, urbanization, and industrialization [,]. The existing energy system impinges on the quality of the environment in several ways.

What is the energy transition in Ethiopia?

The energy transition in Ethiopia is also a regional and continental subject. First, Ethiopia is exporting electricity to its neighbors [,] thereby fostering regional economic integration [,]. Second, hydropower dams being built on transboundary rivers require regional cooperation on water management and use [, ,].

Which sector consumes the most energy in Ethiopia?

All in all, energy consumption in Ethiopia continues to be dominated by the residential sector which accounts for 95% in 1990 and 88% in 2018 . During the same period, the shares of industry and transport sectors grew, respectively, from 1.3 to 3.7%, and from 1.8 to 5.5% .

What are the different types of Energy Research in Ethiopia?

The extant energy research in Ethiopia can broadly be classified into micro-, meso-, and macro-level studies. The micro-level studies focus on households' fuelwood consumption , , and electricity [73, 74] using various econometrics

techniques.

What is the share of electricity in Ethiopia?

It is shared among transport (54%), industry (31%), agriculture (4%), residential (2%), and services (2%). The electric power generation has grown by more than four times between 2004/05 and 2018/19 . Fig. 2 depicts that hydropower continues to dominate the Ethiopian power system.

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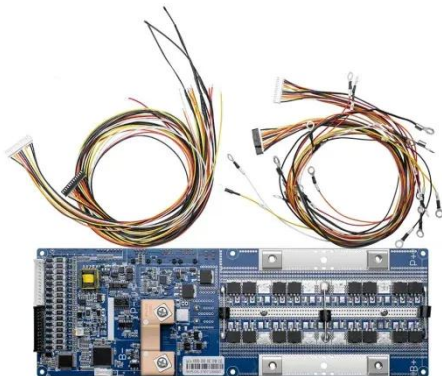
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