

SolarTech Power Solutions

Ethiopia Power Storage



Overview

The lists provide all power plants within the Ethiopian national power grid (Ethiopian InterConnected System (ICS)). In addition, listed are all ICS power plants under construction, under rehabilitation or in stand-by-mode. And finally it lists all ICS power plants in planning stage which are foreseen (or are given chances) to be going into the construction stage until 2025. All ICS power plants are administered by (EEP), the for.

Which power plant in Ethiopia produces the most electricity?

In 2017, hydropower has the largest share with 89.5% of the installed capacity and with 93,4% of the annual electricity production. The lists provide all power plants within the Ethiopian national power grid (Ethiopian InterConnected System (ICS)).

Are there power stations in Ethiopia?

This page lists power stations in Ethiopia, both integrated with the national power grid but also isolated ones. Due to the quickly developing demand for electricity in Ethiopia, operational power plants are listed as well as those under construction and also proposed ones likely to be built within a number of years.

Where did the Ethiopian power system refinements come from?

Most entries came from the Ethiopian Power System Expansion Master Plan Study, EEP 2014 and the Ethiopian Geothermal Power System Master Plan, JICA 2015. A low number of refinements arrived from published tenders (as for the Upper Dabus power plant) and from feasibility studies that arrived after 2014 (as for the TAMS hydropower plant).

Are there roof-top solar PV systems in Ethiopia?

Currently, there are practically no roof-top solar PV systems in Ethiopia. With the planned increase in the tariff, many households and businesses may find it attractive with small individual solar PV systems. Individual solar PV systems will often send power back to the grid, e.g. during mid-day, where generation is high, and demand may be low.

How much energy does Ethiopia have?

Ethiopia has abundant renewable energy resources and has the potential to generate over 60,000 megawatts (MW) of electric power from hydroelectric, wind, solar, and geothermal sources. Additionally, in 2022 the GOE certified the presence of seven trillion cubic feet of natural gas reserves in the Ogaden Basin.

Who owns power plants in Ethiopia?

Currently, all operational power plants in Ethiopia are under the state-owned EEP. Future investments in hydro, wind, solar, and geothermal projects is planned to have private ownership, with EEP acting as the primary electricity purchaser. Solar PV IPP auctions were announced in February 2025, with a total capacity of 225 MW in Gad and Weransso.

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