Burkina Faso electricity by solar

Burkina Faso generates electricity using a variety of energy sources, including biomass, fossil fuels, hydroelectricity, and solar. In 2022, oil and diesel were the largest source of electricity generation, accounting for 78.74%.

Burkina Faso marks a significant leap in its renewable energy journey with the inauguration of the Zano photovoltaic solar power plant. With a peak capacity of 24 Megawatts, this state-of-the-art facility contributes 38 GWh of clean electricity annually, aligning with the nation"s commitment to achieving 15% renewable energy by 2025.

In a significant step towards enhancing electricity supply and sustainable development, Burkina Faso signs an agreement for a 50 MWp solar power plant in Komsilga. The initiative, led by the Minister of Energy and Energie Plus, aims to fortify renewable energy contributions, fostering economic growth and improved access to electricity.

Energy system of Burkina Faso In 2019, Burkina Faso"s energy mix was dominated by biofuels and wastes, with oil products accounting for one-third of the total energy supply. In 2020, 11% of the population had access to clean cooking and only 21% had access to electricity, making Burkina Faso one of the world"s least-electrified countries.

The aim is to increase access to clean energy by improving the financial viability of, and promoting large-scale commercial investment in, solar photovoltaic minigrids in Burkina Faso. The project will also support the government"s COVID-19 recovery efforts and strengthen the resilience of vulnerable communities by supporting livelihoods and ...

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the proportion of a country"s land area in each of these classes and the global distribution of land area across the classes (for comparison).

Burkina Faso has made remarkable progress in recent years, with an increase in installed capacity from 324.6 megawatts (MW) in 2017 to 410 megawatts in 2019. The share of renewable energy also surged from 9.4% in 2015 to 18.36% in 2019.

Beyond the financial gains, Burkina Faso"s adoption of solar energy is in line with international initiatives to tackle climate change. Solar energy is a clean, renewable energy source that doesn"t emit greenhouse gases while producing electricity, making it an essential part of Burkina Faso"s aim to lowering its carbon footprint.

Research shows that 47% of the population of Burkina Faso would optimally be served by clean hybrid

mini-grids and stand-alone solar systems. Off-grid solutions therefore have a large potential in the country.