Who owns solar power in Kiribati?

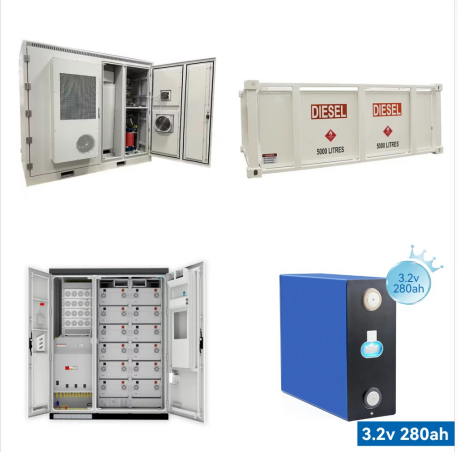
The government-owned Public Utility Board supplies diesel generated power in South Tarawa. The Kiribati Solar Energy Company provides electricity to outer islands through solar home systems. Initially formed in 1984 by an NGO,the company is now owned entirely by the government. There is little private sector involvement.

What is Kiribati integrated energy roadmap?

The resulting Kiribati Integrated Energy Roadmap (KIER) highlights key challenges and presents solutions to make Kiribati's entire energy sector cleaner and more cost effective. As a small,remote island state,Kiribati is highly dependent on imported energy supply. Electricity is one of the government's largest expenditures.

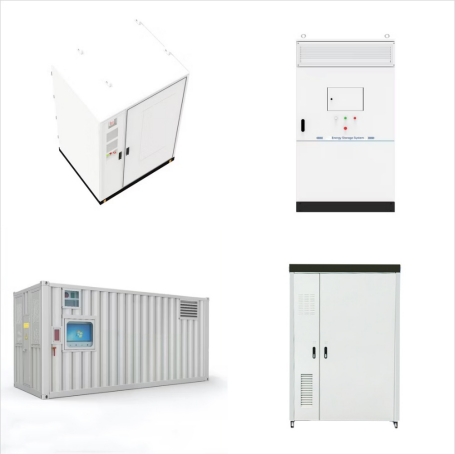
Does Kiribati need electricity?

As a small,remote island state,Kiribati is highly dependent on imported energy supply. Electricity is one of the government's largest expenditures. Yet the current fossil fuel-based power system is inadequate to meet future demand.

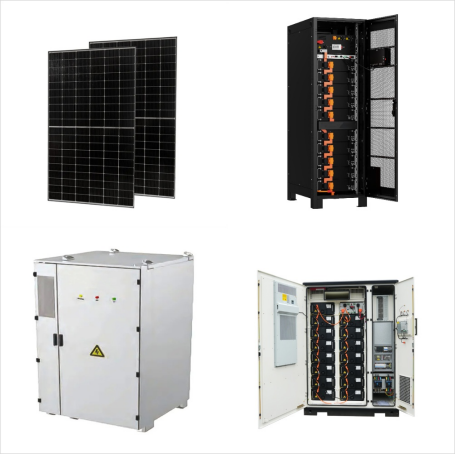


However, the country is now looking to solar power as a sustainable solution to address its energy challenges and contribute to global efforts to combat climate change. The potential for solar power in Kiribati is ???

EDEN SOLAR POWER KIRIBATI



The choices for energy supply in Kiribati are presently limited to imported petroleum products, biomass and to a very insignificant extent, solar energy and wind power. The utilisation of PV technologies in Kiribati at present is largely for lighting.



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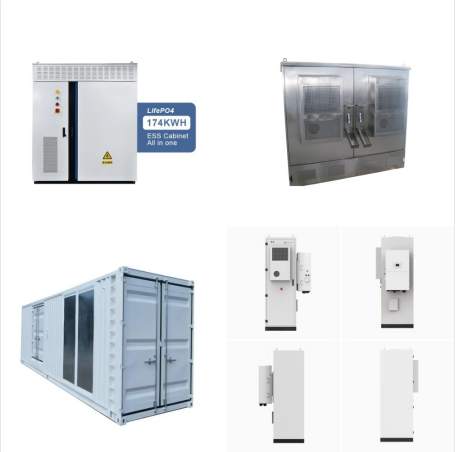

The present review study, through a detailed and systematic literature survey, summarizes the world solar energy status along with the published solar energy potential assessment articles for 235 countries and territories as the first step toward developing solar energy in these regions.

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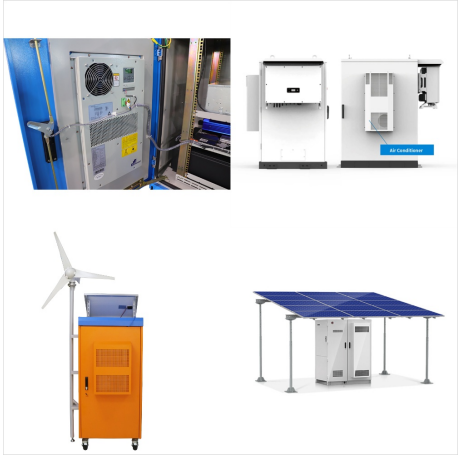
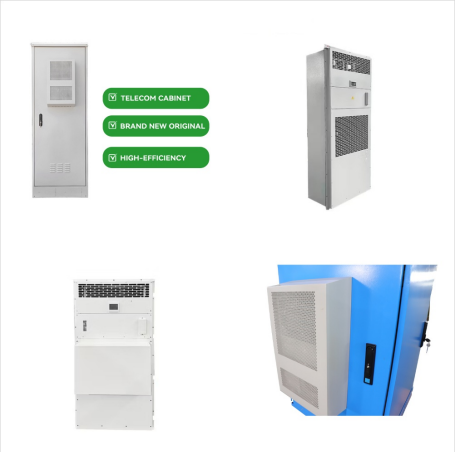
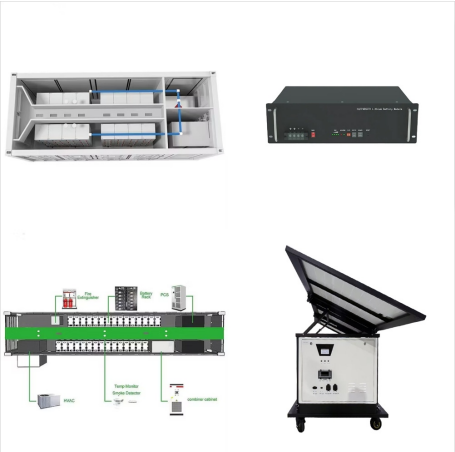


The EKLIPSE project aims to sustainably improve power supply and access in the Line Islands with a focus on renewable energy (solar PV and BESS integrated with existing diesel generators), efficiency and local capacity building.



Solar energy in Kiribati is used mostly in the form of solar photovoltaic (PV) technologies for the provision of lighting and electricity. This study examines the role of PV technologies in the sustainable development process in Kiribati, with particular reference to remote atoll communities.



The findings of this roadmap show that power sector is a key area, where the ongoing e???orts from the deployment of solar PV should be continued and complemented with and improvement of efficiency in Kiribati's entire energy system, including electricity use, heating, cooling, and transport.

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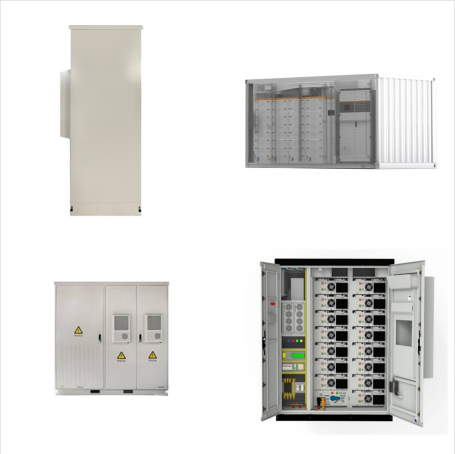
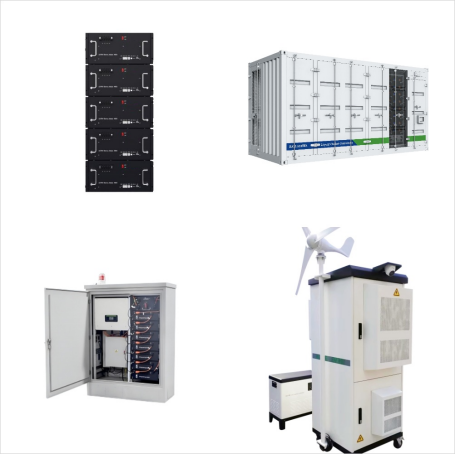
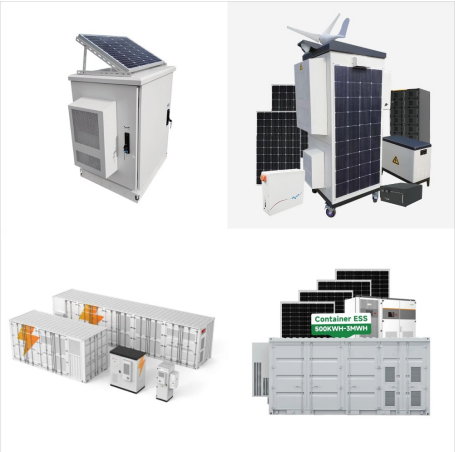


However, the country is now looking to solar power as a sustainable solution to address its energy challenges and contribute to global efforts to combat climate change. The potential for solar power in Kiribati is immense, given the country's location near the equator and its abundant sunshine.



Looking to address challenges at the local level, the roadmap recommends solar desalination in South Tarawa; a combination of wind power, PV and battery storage for Kiritimati Island; and renewable-based refrigeration ???



This are the solar systems installed by JICA (1992), EDF 8 and EDF9 Projects, funded by the European Union. Data compiled by the Kiribati Energy Planning Unit from the records with the Kiribati Solar Energy Company (KSEC).

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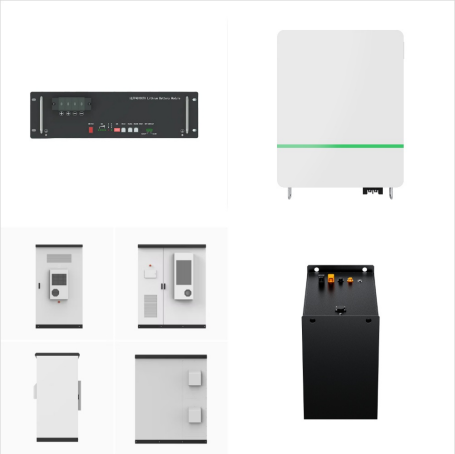

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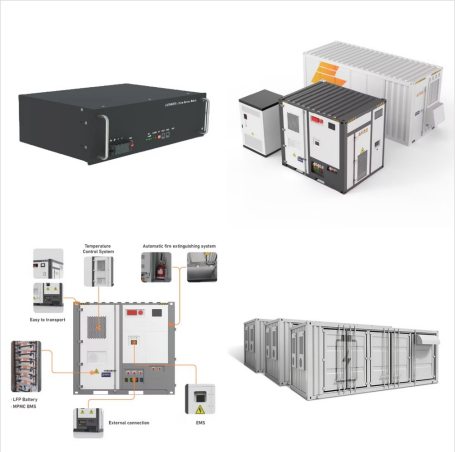

Looking to address challenges at the local level, the roadmap recommends solar desalination in South Tarawa; a combination of wind power, PV and battery storage for Kiritimati Island; and renewable-based refrigeration for fish in the Outer Islands.