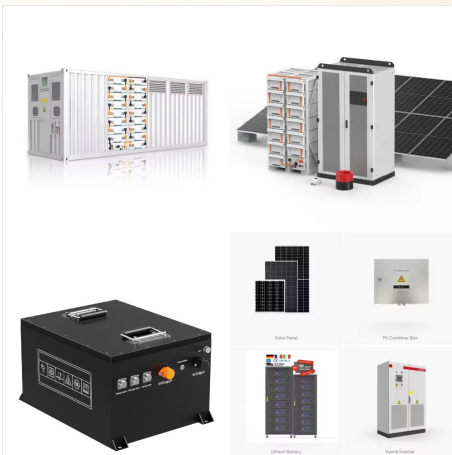




Samoa receives high levels of solar irradiation (GHI) of 4.8 kWh/m²/day and specific yield 4.1 kWh/kWp/day indicating a high technical feasibility for solar in the country.⁹ Samoa RE sources includes wind, biomass, biogas, hydro, solar and municipal waste energy.⁸



electricity produced by the solar farm offsets a portion of existing diesel-generated electricity, saving approximately 1,900,000 liters of diesel per year, and displacing approximately 5,115 tons CO₂ per year. The project company, Solar for Samoa Ltd, is majority owned by First Solar with a local Samoan investor as a minority shareholder.



South Pacific Island efforts to reduce dependence on costly and polluting diesel fuel continue, with the installation of 546kW of solar PV across the islands of Samoa ??? the independent ???



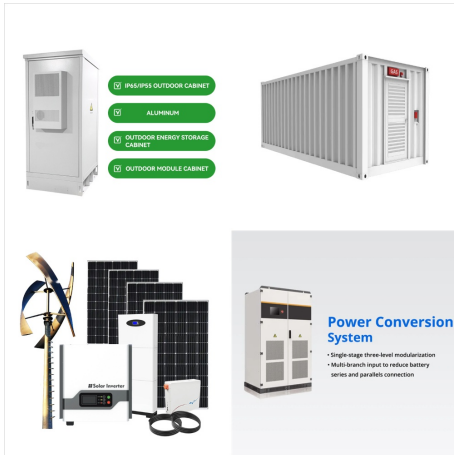
South Pacific Island efforts to reduce dependence on costly and polluting diesel fuel continue, with the installation of 546kW of solar PV across the islands of Samoa ??? the independent state's largest solar project yet.



Understanding demand for solar in Samoa
Research Objectives The purpose of this demand study is to: Understand current uptake of solar energy by households and businesses in Samoa. Identify the different market segments and determine the size of the potential market demand for rooftop solar. Understand the different market segments"



Wind 0 0 Bioenergy 10 5 Geothermal 0 0 Total 187
100 1 2017 2 2007 3 4 5 Avoided emissions based on fossil fuel mix used for power Calculated by dividing power sector emissions by elec. + heat gen. Energy Efficiency Act 2017 Samoa National Energy Policy ENERGY AND EMISSIONS Avoided emissions from renewable elec. & heat CO



4 ? The project is expected to represent a capacity of up to 40 megawatts of solar and 40 megawatt-hours of batteries. According to the ADB, this will be a cornerstone of Samoa's efforts to achieve 70 per cent renewable energy in its ???



Apia, Samoa ??? 18 November 2024 ??? A recent study has shed light on the promising demand for rooftop solar energy in households and businesses across Samoa. The study was conducted by the Market Development Facility (MDF), funded by the Australian Department of Foreign Affairs (DFAT) and co-funded by the New Zealand Ministry of Foreign [???



6 ? MANILA, PHILIPPINES (10 December 2024) ??? The Asian Development Bank (ADB) has signed a transaction advisory services agreement with Samoa's Electric Power Corporation (EPC) to support the development of a solar photovoltaic and battery energy storage systems with installations planned for the country's two largest islands, Upolu and Savai'i.



4 ? The project is expected to represent a capacity of up to 40 megawatts of solar and 40 megawatt-hours of batteries. According to the ADB, this will be a cornerstone of Samoa's efforts to achieve 70 per cent renewable energy in its electricity mix by 2031.



Samoa's 400kWp Solar Project This report was prepared by Julia McDonald, Joe Wookyeung and Phillippe McCracken. In recent years there has been increasingly compelling evidence that anthropogenic climate change not only threatens the biophysical environment but it also increases potential vulnerabilities of the people and the socio-economic