



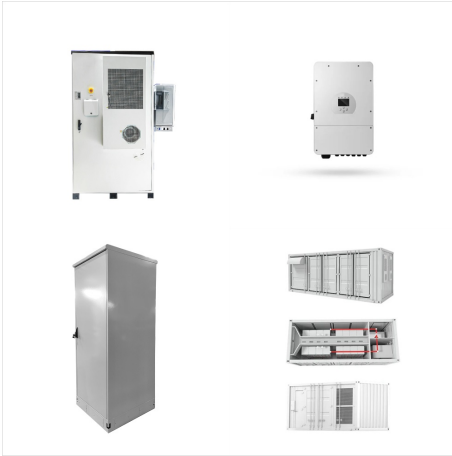
The Tesla Powerpack in Samoa installations at the Fiaga Power Station and the Faleolo International Airport afford the local power grid system with 13.6 MWh of energy storage and the ability to



APIA, 24 JULY 2018 - Samoa has become the first country in the Pacific to install battery energy storage systems and micro grid controller. The US\$8,844,817.03 million (T\$22.7m) facilities, housed at the Fiaga Power Station compound, allows the storage of electricity that is automatically injected to the grid, when there is a sudden increase in



The Battery Storage and Grid Integration Program (BSGIP) hosted two research scientists from Samoa recently to help build capacity and strengthen the island nation's ability to meet climate and energy challenges.



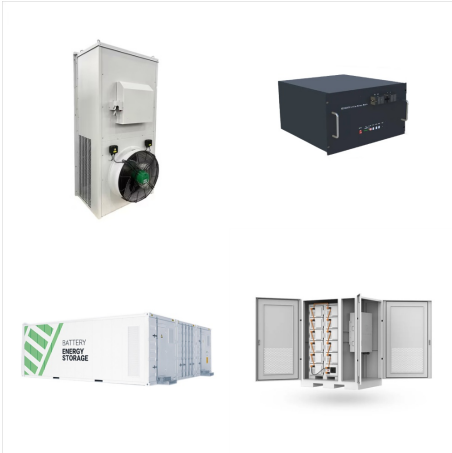
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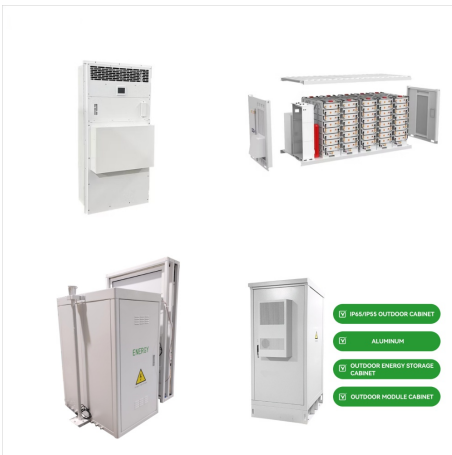
Exports (% of production) 2 1 Energy
self-sufficiency (%) 33 30 Samoa COUNTRY
INDICATORS AND SDGS TOTAL ENERGY
SUPPLY (TES) Total energy supply in 2021
Renewable energy supply in 2021 70% 30% Oil
Gas Nuclear Coal + others Renewables 5%7% 0%
88% Hydro/marine (MWh/kWp) 10.5 tC/ha/yr Solar
PV: Solar resource potential has been divided ???



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A power grid joining Samoa and American Samoa via submarine cable is expected to stabilise electricity and maximize use of renewable energy in both nations, says Samoa's National Energy Coordinating Committee.



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In 2022, the average electricity price for residential customers in American Samoa was approximately 45 cents/kilowatt-hour (kWh)???almost three times the U.S. average of 15 cents/kWh. 2 Renewable energy represents a small but growing power system contribution, although American Samoa relies almost entirely



BSLBATT ESS-GRID FlexiO is an air-cooled solar battery storage system featuring a split PCS and battery cabinet with 1+N scalability. It integrates solar photovoltaic, diesel power generation, grid, and utility power, making it ideal for microgrids, rural and remote areas, large-scale manufacturing, farms, and electric vehicle charging stations.



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Tesla Powerpack installations at the Fiaga Power Station and the Faleolo International Airport are integrated with 13.6 MWh of energy storage for the island's solar, wind, and hydropower farms.