



Nauru energy storage solar project installation

Will Nauru install a solar power plant? Nauru has embarked on an ambitious project to install a grid-connected solar power plant with a capacity of 6 megawatts (MW) of alternating current. This initiative is part of the Solar Power Development Project, which aims to diversify the energy mix and reduce reliance on diesel. How will ADB support the Nauru solar power development project? ADB also provided GoN support to prepare a Feasibility Study for the recommended Nauru Solar Power Development Project which will comprise of a 6 megawatt PV plant coupled with a 5 megawatt / 2.5 megawatt-hour battery energy storage system coupled with a SCADA installation. How does Nauru get its energy? Nauru predominantly sources its energy through diesel power generators. About 5% of its current energy demand is sourced from renewable energy, of which all is from solar power photovoltaic (PV) installations. A 500-kW ground-mounted solar installation was commissioned in , and a number of residences have rooftop solar PV installations. How will Nauru's solar power system work? The system will be fully integrated and automated with the existing diesel generation (17.9 MW installed capacity currently manually operated) to optimize solar energy use, to enable optimal BESS charging/discharging and to provide optimal shut off of the diesel engines. This will reduce Nauru's over reliance on diesel for power generation. Who will implement solar project in Nauru? The executing agency will be the Department of Finance and Sustainable Development. The implementing agency for solar component of project will be the Nauru Utilities Corporation (NUC). NUC will establish a project management unit within their existing organisational structure to implement the project. Who owns Nauru electricity? The Nauru electrical network is owned and operated by Nauru Utilities Corporation (NUC), a state-owned enterprise, established under the Nauru Utilities Corporation Act of . NUC is responsible for energy generation and energy distribution, and water supply. Nauru predominantly sources its energy through diesel power generators. 6MW Photovoltaic + Energy Storage Project, Nauru-HNAC It is jointly constructed by HNAC and CHEC. The project content includes the design of a 6MW solar power station, a battery energy storage system (BESS) with a capacity of 2.5MWh/5MW, Harnessing the Sun: Nauru's Transition to Sustainable Solar Energy Jul 29, –– Launched in , the initiative includes the installation of a 6 MW grid-connected solar power plant and a 2.5 MWh battery energy storage system (BESS) to address the Nauru's Efforts Towards Renewable Energy Key projects include the installation of a solar power plant, a battery energy storage system, and various initiatives supported by international funding and collaborations. Nauru s application of solar energy in energy storage For the in-depth development of the solar energy storage in rechargeable batteries, the photocatalyst is a pivotal component due to its unique property of capturing the solar radiation, Nauru: Solar Power Development Project Jan 23, –– Project to finance a 6MW grid connected solar power plant and 2.5MWh/5MW battery energy storage system for solar smoothing energy storage. The system will be fully Nauru Energy Storage System Nauru is actively pursuing energy storage solutions – through several projects: A 6 MW solar plant – and a 5 MW/2.5 MWh storage system – are set to increase the share of Nauru Energy Storage Project Planning Sustainable

