

This article proposed a hybrid off-grid energy system (HES) to effectively energize the quarantine COVID-19 center in Gaza economically and environmentally. To achieve this aim, the estimated load ...

The purpose of this project is to design a hybrid system that combines several energy systems (Photovoltaic and wind turbine) together with control system (PLC), so it can supply high ...

In this paper, the scope of utilizing a hybrid system of solar and wind energies, which are readily available in most regions in Palestine, and store them to be used when they are needed both in the ...

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The idea of the project is designing system of a renewable energy combine between solar energy and wind energy to reach high efficiency and it doesn't depend on power from generators coming from ...

Technical-economical-environmental assessment of grid-connected hybrid The current study introduces a novel design for a hybrid renewable energy system that uniquely integrates five diverse sources- ...

The cornerstone of the present research is focusing on the availability of renewable energy resources in Jenin Governorate (JG)--West Bank (WB)--Palestine. Two-year time-series of hourly solar, wind, ...

The current study introduces a novel design for a hybrid renewable energy system that uniquely integrates five diverse sources--solar, wind, wave, geothermal, and biomass--to generate ...

The findings reveal an optimized hybrid energy system comprising photovoltaic (PV) panels, wind turbines, a biomass generator, a geothermal generator, and a sea wave (hydropower) ...

Can hybrid energy storage system coupling reduce the uncertainty of HRes? Since the uncertainty of HRES can be reduced further by including an energy storage system, this paper presents several ...

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