

Title: Solar power generation system dormitory

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From these results obtained a solar power generation system with a power of 9.6 kW to supply the electrical energy needs of each dormitory. The system created can work for 24 hours with autonomy ...

In this study, we investigated the performance of air-to-water heat pump (AWHP) and energy recovery ventilator (ERV) systems combined with photovoltaics (PV) to achieve the energy ...

In this study, the feasibility analysis of a combined photovoltaic solar cell-proton exchange membrane fuel cell system in order to power a dormitory building was performed.

In this paper, we will discuss aspects of designing a dormitory as well as optimization of occupants comfort and energy efficiency using renewable energies such as ...

Solar energy has attracted the attention of researchers around the world due to its advantages. However, photovoltaic (PV) panels still have not attained the desired efficiency and ...

A construction site in Jiangxi Province has successfully adopted solar-powered shipping container houses, saving costs and generating income through solar energy.

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In this study, we investigated the performance of air-to-water heat pump (AWHP) and energy recovery ventilator (ERV) systems combined with photovoltaics (PV) to achieve the energy independence of a ...

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