Solar trigeneration control system

The objective of the work presented in this paper is to analyse the performance of a solar trigeneration system based on the novel hybrid PVT panel described above.

This work examines a solar-driven trigeneration system with parabolic trough collectors which includes an ORC and an absorption heat ...

The objective of this paper is to evaluate a solar trigeneration system under different criteria in order to make clear that there are numerous factors ...

Our patented solar panel system provides electricity, heating, and cooling from a single, efficient solution. With advanced trigeneration technology, ...

In this study, a novel trigeneration system is conceived to produce heat and electricity and to provide cooling for the health treatments and touristic ...

A solar powered trigeneration system consisting of tower solar collector, Kalina cycle with the heat exchanger, and ejector-absorption refrigeration cycle is proposed to produce refrigeration ...

In the present study, an on-demand solar combined cooling, heating, and power (CCHP) system with parabolic trough collector (PTC) and solid-state thermal...

A solar trigeneration system for off-grid households, based on photovoltaic-thermal (PV/T) collectors, photovoltaic (PV) modules and a heat pump (HP), whose aim is to provide enough electricity, ...

In the analyses performed, the effect of using different collectors in the system on the system performance was examined in terms of economy, exergy, energy, and multi-purpose ...

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