

Carbon dioxide energy storage is a new energy storage technology, which has excellent thermodynamic, economic and environmental performance. In this paper, a thermo-electric ...

In this paper, a combined cooling, heating, and power (CCHP) system with thermal storage tanks is introduced. Considering the plants" off-design performance, an efficient methodology is ...

Since 2005, when the Kyoto protocol entered into force [1], there has been a great deal of activity in the field of renewables and energy use reduction. One of the most important areas is the use ...

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1. Introduction. The government and legislative authorities incentives to use new energies, concerns about the high and rising price of fossil fuels including its scarcity, and ...

combined cooling, heating, and power systems have better energy-saving and economic benefits. Additionally, the inclusion of the thermal energy storage yields additional economic benefits ...

This long-term adsorption system for a district heating application stored 1,300 kWh of energy and reported an energy storage density of 124 kWh/m³ and 100 kWh/m³ with ...

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