

Compressed air energy storage system model

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In this work, the compressed air energy storage system stores air in salt cavern, and the subsystems are compressor, heat exchanger system (HX), thermal energy storage ...

Compressed air energy storage (CAES) has its unique features of large capacity, long-time energy storage duration and large commercial scale. The application prospect of CAES has ...

This paper presents a computer model for performance evaluation of a wind-diesel hybrid system with compressed air energy storage. The model has been validated by comparing the results of a wind-diesel case ...

Downloadable (with restrictions)! Compressed air energy storage system is a promising electricity storage technology. There are several simplified thermodynamic models for performance ...

The compressed air energy storage (CAES) system is a very complex system with multi-time-scale physical processes. Following the development of computational technologies, research ...

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