Solar Power Network Wu Junjie

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Optimization of solar field layout and flow velocity in a solar-aided

Abstract The solar-aided power generation (SAPG) system is an efficient way to integrate solar thermal energy into the normal coal-fired power plant. This work constructed a hydraulic model ...

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Accurate short-term forecasting of photovoltaic power generation is crucial for power dispatching, capacity analysis, and unit commitment. Existing data-driven prediction algorithms have a certain ...

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Research on the Performance of Coal-fired Power System ...

The advantages of solar aided power generation are analyzed using both the first law and the second law of thermodynamics, based on a hypothetical case.

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Optimization of solar field layout and flow velocity in a solar-aided

TL;DR: In this article, the authors constructed a hydraulic model of a parabolic trough solar field and updated its thermodynamic evaluation algorithm to optimize the solar field layout and flow velocity of ...

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