

Accepted Manuscript

Exergy and energy analysis of photovoltaic-thermoelectric hybrid systems

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PII: S0360-5442(17)30408-5
DOI: 10.1016/j.energy.2017.03.042
Reference: EGY 10509
To appear in: *Energy*
Received Date: 27 December 2016
Revised Date: 09 February 2017
Accepted Date: 11 March 2017

Please cite this article as: Dianhong Li, Yimin Xuan, Qiang Li, Hui Hong, Exergy and energy analysis of photovoltaic-thermoelectric hybrid systems, *Energy* (2017), doi: 10.1016/j.energy.2017.03.042

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Research Highlights

- ▶ A thermodynamic model of PV-TE hybrid systems is proposed.
- ▶ The exergy analysis of PV-TE hybrid systems is conducted.
- ▶ The effects of the concentration ratios and types of PV cells on the performance of PV-TE hybrid systems are investigated.
- ▶ The exergy losses result mainly from the irreversible process of solar irradiance thermalized into heat.

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