Accepted Manuscript

Exergy and energy analysis of photovoltaic-thermoelectric hybrid systems

Dianhong Li, Yimin Xuan, Qiang Li, Hui Hong

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

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



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.

دريافت فورى ب

ISIArticles مرجع مقالات تخصصی ایران

- ✔ امكان دانلود نسخه تمام متن مقالات انگليسي
 - ✓ امكان دانلود نسخه ترجمه شده مقالات
 - ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
 - ✓ امكان دانلود رايگان ۲ صفحه اول هر مقاله
 - ✔ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
 - ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات