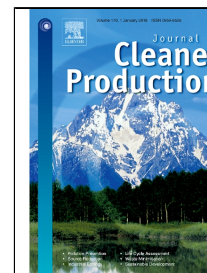


# Accepted Manuscript

Experimental and numerical comparative investigation on a concentrating photovoltaic system

Haifei Chen, Jie Ji, Gang Pei, Jie Yang, Yang Zhang



PII: S0959-6526(17)32716-6  
DOI: 10.1016/j.jclepro.2017.11.058  
Reference: JCLP 11197  
To appear in: *Journal of Cleaner Production*  
Received Date: 31 July 2017  
Revised Date: 27 October 2017  
Accepted Date: 08 November 2017

Please cite this article as: Haifei Chen, Jie Ji, Gang Pei, Jie Yang, Yang Zhang, Experimental and numerical comparative investigation on a concentrating photovoltaic system, *Journal of Cleaner Production* (2017), doi: 10.1016/j.jclepro.2017.11.058

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.

- Two types of concentrating photovoltaic modules are experimentally studied and compared.
- Both mathematical thermal model and electrical model have been built.
- The electrical efficiency and thermal efficiency are 26.5% and 49.3%.
- The temperature coefficient of cell efficiency is  $-0.054\%/^{\circ}\text{C}$ , and the drop in system electrical efficiency with temperature is  $-0.042\%/^{\circ}\text{C}$ .

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان 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