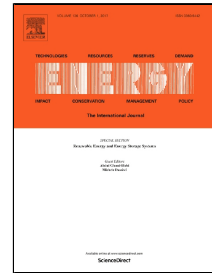


# Accepted Manuscript

Conventional and advanced exergy analysis of solar flat plate air collectors

Arsham Mortazavi, Mehran Ameri



PII: S0360-5442(17)31704-8  
DOI: 10.1016/j.energy.2017.10.035  
Reference: EGY 11679  
To appear in: *Energy*  
Received Date: 07 July 2017  
Revised Date: 06 September 2017  
Accepted Date: 09 October 2017

Please cite this article as: Arsham Mortazavi, Mehran Ameri, Conventional and advanced exergy analysis of solar flat plate air collectors, *Energy* (2017), doi: 10.1016/j.energy.2017.10.035

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.

- Partial and advanced exergy analysis for flat plate air collectors is performed.
- Diagrams of exergy annihilation over different parameters were plotted.
- Sun-absorber plate exergy destruction has the largest portion.
- Most of exergy annihilation in the absorber plate is unavoidable and endogenous.
- Large amount of the exergy annihilation can be avoided in the glass cover.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8072488>

Download Persian Version:

<https://daneshyari.com/article/8072488>

[Daneshyari.com](https://daneshyari.com)