

## Exergy Model for a Solar Water Heater with Flat Plate Collector

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**Abstract :** The objective of this paper is to derive an exergy model for a solar water heater with honey comb structure in order to identify the element which has larger irreversibility in the system. This will help us in finding the means to reduce the wasted work potential so that the overall efficiency of the system can be improved by finding the ways to reduce those wastages.

**Keywords :** exergy, energy balance, entropy balance, work potential, degradation, honey comb, flat plate collector

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