

Documents

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Effect of various physical parameters on the productivity of the hybrid distiller - In the time of distillation extension at night
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Abstract

Through this recent simulation, we investigated the effect of different physical parameters on the productivity of the greenhouse still coupled with a cylindro-parabolic solar concentrator and an autonomous photovoltaic generator that prolongs the distillation time during the night. An attempt has been made to determine the various parameters that improve the productivity of the hybrid distiller during the day and at night. We identify new modifications and thermal and electrical storage mechanisms to achieve results, which illustrate the advantage and disadvantage of physical parameters to have a solar-based distillation that lasts 24 hours. This study will be a research opening to increase the productivity of solar distillers. Until we reached the water fill for a long time possible in all-weather cases by solar energy. © 2019 Lavoisier. All rights reserved.

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