

Order of flat-plate solar panels for rural Greece

The aim of the present work is to investigate the efficiency of flat-plate solar panels in Greece for delivering solar energy. In this study, the solar panels are mounted on a two-axis tracker, which ...

The present study investigated the solar energy potential across Greece on flat-plate solar panels that vary their tilt angle to receive solar radiation normally to their surfaces during the day.

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It focuses on stationary solar flat-plate convectors (as Part I of the study), while two future studies intend to investigate the energy gain from dynamic solar flat-plate convectors (single-axis systems in Part II ...

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Abstract and Figures The objective of the present work is to investigate the performance of flat-plate solar panels in Greece that continuously follow the daily motion of the Sun.

To that end, the annual energy sums are estimated on such surfaces from hourly solar horizontal radiation values at 43 locations covering all of Greece. The solar horizontal radiation ...

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