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Customization and Performance Assessment of a Standalone Solar Power System

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Solar energy is gaining a lot of traction in recent years and is one of the main candidates for the substitution of fossil fuel energy sources. In this work, it will be built a standalone photovoltaic system associated to a single axis solar tracker. A performance evaluation of the system will be done to assess the economical viability of such a system, and whether it can produce a larger power than the commercial alternatives available.

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