

Design and construction of an AC inverter system from Solar cell energy source

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Abstract: The study proposes the design and construction of an alternating current inverter system based on energy from solar cell panels, aiming to create an effective solution for utilizing solar energy. The research method combines theory with experimentation, evaluating the system's performance and stability. The expected result is the development of a system capable of providing uninterrupted electrical power from renewable energy sources, contributing to sustainable development.

Keywords: inverter system, solar cell energy, design and construction, energy efficiency, power solutions