

Solar Inverter Project

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Abstract: *This project aims to design and implement a solar inverter system that generates pollution-free electricity from solar energy during the day and stores it in a battery for use during the night or in transportation vehicles. The system consists of a 12V 15W solar panel, a 12V 4Amp battery, and a 150W semi-sine wave inverter that produces AC 220V power. The project is particularly useful in rural and tribal areas where access to electricity is limited. The solar inverter system provides a reliable and cost-effective solution for generating and using solar power. The project successfully meets its design specifications and can be scaled up to meet the energy demands of households or small businesses.*

Keywords: Solar Inverter

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