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AUTO POWER BACKUP SYSTEM

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ABSTRACT:- The implementation of the solar energy is very expensive process , the cost of the solar panels as well as the circuitry used for that is very expensive. As our paper presents the circuitry that uses three types of power source first the power we get from the photovoltaic cell, the second we get from the inverter batteries , and the last from the main power supply that we get from the grid station. This hybrid system will reduce the power consumption without any regular power cut interruption. This system gives cheap, reliable efficient and cost effective operation. The system will operate at 230V at 50Hz which normal appliances work such as refrigerator, television set, computers etc.

The solar panels are implemented with battery backup storage. The battery storage is used to operate during the power cut off from the grid and the also when the solar power output is low. This system is defined for the regions where the solar energy is used only as backup purposes to charge the battery and actively dumped during the grid is available.

Keywords— Hybrid system, smart controller, pure sinewave inverter, Discretization of energy.

IOT BASED ELECTRONIC NOTICE BOARD WITH WEB & SMS INTERFACE

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ABSTRACT:- The implementation of the solar energy is very expensive process , the cost of the solar panels as well as the circuitry used for that is very expensive. As our paper presents the circuitry that uses three types of power source first the power we get from the photovoltaic cell, the second we get from the inverter batteries , and the last from the main power supply that we get from the grid station. This hybrid system will reduce the power consumption without any regular power cut interruption. This system gives cheap, reliable efficient and cost effective operation. The system will operate at 230V at 50Hz which normal appliances work such as refrigerator, television set, computers etc.

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Keywords— IoT, Web, SMS