

ABSTRACT

EFFICIENT HYBRID POWER GENERATOR AND MULTI PURPOSE UTILIZATION (WITH SOLAR TRACKING SYSTEM AND PANEL CLEANING MECHANISM)

This project consists of solar power and Wind mill generator. Solar tracking system is attached to the model, using which the panel's will be tilted according to the sun movement to utilize efficient energy. The wind mill generates voltage during day and night time when wind is available. This is a prototype and we can produce 12v always and charge the 12v, 2.7.AHC battery through we can use for lighting purpose. Three hours is required to charge the battery (full charge). And a panel cleaning mechanism will be installed, which automatically cleans the panels everyday when the solar panel reached the middle position. That is, a DC motor with dfuster arrangement will swipe the solar panels once the light detecting resistor generates the signal in the afternoon.

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