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(57) Abstract :
 Exemplary embodiments of the present disclosure are directed towards a solar air cooler. The solar air cooler comprising: a first processing device with a battery operably coupled with a solar panel configured with a solar charge controller and a display unit, whereby the solar panel and the solar charge controller configured to use solar energy to generate DC power, the battery configured to store the DC power and an inverter configured to convert the DC power into AC power; the inverter connected to an air conditioner blower to produce air movement to space that is being conditioned; the display unit operably coupled to a plurality of temperature sensors, whereby the plurality of temperature sensors configured to gather temperature parameter in surrounding environment and adjust speed of a cooler fan accordingly; and a water sump surrounding the air cooler to provide hydrated cool air via the air conditioner blower. FIG.1

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