

## **ABSTRACT**

A solar panel passive cooling system using water is a technology that utilizes water as a cooling medium to improve the performance of solar panels. The system involves the circulation of water through pipes or channels underneath the solar panels, which helps to dissipate the heat generated by the panels. As the water flows through the channels, it absorbs the heat and carries it away, effectively lowering the temperature of the panels. The use of water as a cooling medium is an effective and low-cost way to maintain the temperature of solar panels within an optimal range, which results in increased energy output and improved efficiency. This abstract provides a brief overview of the solar panel passive cooling system using water and its potential benefits for the solar energy industry. In this paper an experimental setup is designed to check whether the efficiency of solar panel is improved or not at the same time we are trying to reduce the damage of photovoltaic cells in the solar panel by spraying the water in the surface of the solar panel with the help of pump, supply from the storage.