

Smart Photovoltaic System

Roshen T. Ahmed

Abstract-

The world is spending all assets to meet the day by day demand of energy and it is very expectable that sooner rather than later we will get to the end of any natural energy source such as petrol, mineral etc... thus, renewable energy arrangement has accomplished.

The object of this research is get all solar cell parameters that affect its operation like temperature, wind speed, humidity lighting, etc. The study results show with using PC in different ways (Curves, Digital numbers and Analog gauge pointers) that the effectiveness of the PV cells are affected by dust, humidity, temperature, and settlement of the PV panel's surface. The rate of efficiency drop varies from one variable to another depending on its reaction with other variables.