

EFFECT OF DUST ON SOLAR PV MODULES EFFICIENCY

Effect of dust and shadow of Solar Photo Voltaic panels is a natural process. The present study on dust-assimilation on the surface of solar PV panels can reduce system out-put to 16-40% in a month investigation. This paper provides current status in studying such impact on PV system performance and identifies challenges to overcome the problem. An experimental framework as designed as changing seasonally to locate diagnostic solution in this regard. If the experiment be performed in long-term basis from local to regional atmospheric conditions then the study will envisage a new paradigm in science and technology.
