

Critical Review on Automatic Solar Panel Cleaning System

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Abstract: *The Solar Power is the most abundantly available energy available on the Earth and depletion of current non-renewable sources has led to the need for efficient harnessing of this source. The Solar Panels used for the purpose are open to the environment and hence would frequently get obscured by dust and other impurities. Energy is one of the major issues that the world is facing in India, the supply of energy has been one of the major problems for both urban and rural households. Solar energy is a renewable source of energy, which has a great potential and it is radiated by the sun. Renewable energy is important to replace the using of electric energy generated by petroleum. Solar power has become a source of renewable energy and solar energy application should be enhanced. The solar PV modules are generally employed in dusty environments which are the case tropical countries like India. The dust gets accumulated on the front surface of the module and blocks the incident light from the sun. It reduces the power generation capacity of the module. The automatic dust cleaning system of solar panels has taken to overcome the difficulties arise in the traditional cleaning and also produces an effective, non- abrasive cleaning and avoids the irregularities in the productivity due to the deposition of dust .*

Keywords: Solar panels, Dust accumulated, Automatic Cleaning

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