

Type of Sun Trackers and Its Controlling Techniques for MPPT

Authors : Talha Ali Khan

Abstract : Discovering different energy resources to full fill the world growing demand is now one of the society's bigger challenge for the next half-century. The main task is to convert the sun radiation into electricity via photovoltaic solar cells which is suddenly decreasing \$/watt of delivered solar electricity. Therefore, in this context, the sun trackers are those devices that can be used to ameliorate efficiency. In this paper, a variety of the sun tracking systems are evaluated and their merits and demerits are highlighted. The most adept and proficient sun-tracking devices are polar axis and azimuth-elevation types.

Keywords : dual axis, fixed axis, sun tracker, MPPT

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