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A COMPARATIVE STUDY OF PHOTOVOLTAIC MAXIUM POWER POINT TRACKING ALGORITHMS UNDER DYNAMIC WEATHER CONDITIONS

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Abstract

Based on a literature review of various MPPT algorithms, it can be concluded that each algorithm has its own advantages and limitations depending on the operational conditions of the photovoltaic system. Conventional algorithms such as Perturb and Observe (P&O) and Incremental Conductance (INC) offer a simple structure and easy implementation, but are less responsive to rapid weather changes.