عنوان مقاله:

A modified electromagnetic algorithm for estimating parameters of single diode model of PV cells

محل انتشار:

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خلاصه مقاله:

Parameter estimation of photovoltaic (PV) cell models, presents a challenging problem. Metaheuristic algorithms are one of the most suitable methods for calculating the parameters of nonlinear models. The single diode model (SDM) is a non-linear model for photovoltaic cells that depends on five parameters. In this paper, a modified electromagnetic algorithm is proposed to estimate the parameters of the SDM of photovoltaic cells . The error of the proposed algorithm has been reduced compared to the conventional version, and the parameter values of the SDM have been .obtained more accurately in this method

کلمات کلیدی: photovoltaic cell, PV, single diode model, metaheuristic algorithms

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