

عنوان مقاله:

A new method of maximum power point tracking (MPPT) of photovoltaic (PV) cells using impedance adaption by
(Ripple correlation control (RCC

محل انتشار:

هفدهمین کنفرانس سراسری شبکه های توزیع نیروی برق (سال: 1391)

تعداد صفحات اصل مقاله: 13

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خلاصه مقاله:

In this paper , we are likely to introduce a new method of tracking maximum power point of PV arrays . the relationship between arrays output power and load impedance enables us to provide suitable adaption between load impedance and internal impedance of arrays and find the optimum operating point to receive maximum available power of PV arrays . a boost convertor is connected between arrays and load to adapt load impedance to PV internal impedance . Ripple correlation control (RCC) , is used as a basic law to correlate load impedance and power Ripples in order to . compute duty ratio of switching devices to maximize PV output power via adapting load and PV internal impedance

کلمات کلیدی:

photovoltaic , maximum power point , ripple correlation control , impedance adaption , boost convertor

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