

عنوان مقاله:

Smart Grid Applications in Iran

محل انتشار:

ششمین کنفرانس بین المللی پیشرفتهای علوم و تکنولوژی (سال: 1391)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

During the last decade an increasing interest has been shown in research and development of wide range of subjects related to power systems. The climate change and energy crisis can be considered as the main drivers towards this trend. One of the areas that have attracted many scholars and researchers is 'Smart Grid'. This paper initially reflects on general concepts of Smart Grids; it will then outline the carbon footprints and other challenges linked to electricity grids and power systems in Iran. One solution to manage these problems would be adopting the vision of 'Smart Grid'. The essence of this vision is a fully automated power delivery network that can ensure a two-way flow of electricity and information between power grids and appliances and all points in between. Moreover personal energy management and relative effects of smart grid will be explained

کلمات کلیدی:

Smartening, Automation, Energy Management, Information & Communication Technology

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<https://civilica.com/doc/158972>

