عنوان مقاله:

Energy storage techniques and hydrogen storage techniques as a source of energy

محل انتشار:

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خلاصه مقاله:

Renewable energies are referred to as energy, which, unlike non-renewable energies, have the ability to return to nature. In recent years, environmental problems and the issue of climate change have intensified the use of renewable energy due to the use of non-renewable energy sources. New energy sources (distributed products) are used in power systems to generate large electrical power. In some of these sources, for example, the wind and the sun, due to the nature of random behavior, it is difficult to predict the output power output and this causes high volatility in the output power, which causes a lot of problems for the power system s performance. It will be with you. For this reason, the use of energy storage systems in different parts of the power system is essential to maintain the balance between production and consumption, or to be able to store storage for intervals when production is less than consumption. For example, power generation by wind turbines can be very beneficial in peak hours, but the picture also holds true, that it may not be efficient and economical to produce electricity at peak times. There are various ways of storing energy that can save energy in non-peak hours. In this paper, first, the characteristics of each of these energy storage methods are expressed and, finally, by the method of hydrogen storage

کلمات کلیدی:

renewable energies, distributed generation, electric power storage, hydrogen storage