

عنوان مقاله:

Planning between producing units a Combined System of Wind –Pumped Storage Power Plant in Power Market Environments

محل انتشار:

همایش ملی پژوهش های کاربردی در علوم و مهندسی (سال: 1392)

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خلاصه مقاله:

In this paper a model for Planning between produce units a Combined System of wind –Pumped Storage in Power Market Environments; which causes successful presence of wind energy producers in the market environment. Combined system of Photovoltaic - pumped storage of this article, optimal model for the presence inthe environment of power market with the greatest possible benefit and minimum penalty for unbalancing in powermarket environments, is presented. In this paper the suggestive model is optimized regarding to uncertainty in producing wind power, in order to gain the most benefit and paying the least penalty for unbalancing in market for operation of the system. Particle Swarm Optimization Algorithm (PSO) is used for the optimization. At the end of amodel example for applying the results of the proposed model will be examined and analyzed the results will be discussed. Results show that the model an appropriate method for the operation of this combined system in market environment. [Mehdi Akbarpour, Saeed Zakrei, Mohammad Amin Zakrei. Planning between producing units a Combined System of Wind – Pumped Storage Power Plant in Power Market Environments]. <http://www.lifesciencesite.com>. xx

کلمات کلیدی:

Combined System of Wind- Pumped Storage, Planning, Penalty for Unbalancing in Market, Uncertainty, Power Market, PSO Algorithm

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