

عنوان مقاله:

Frequency Control in a Micro grid by Model Predictive Control Optimized by PSO Optimization Algorithm

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خلاصه مقاله:

In this paper, the model predictive control is designed to control the frequency in a micro grid in the island mode with respect to the disturbances entered into the system. One of the important issues in the micro grid is controlling the frequency in it. In case of turbulence in the micro grid, when the micro grid is connected to the network, and also in island mode, it changes the frequency of the system. The proposed micro grid is intended for three areas and in order to improve its efficiency, the particle swarm optimization algorithm is used to determine the controller parameters such ...as prediction horizon, control horizon, sampling time and etc

کلمات کلیدی:

.Micro grid, frequency control, particle swarm optimization algorithm, Model Predictive Control

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