

عنوان مقاله:

An Artificial Neural Network Control of a Voltage-Source Converter for Power System Applications

محل انتشار:

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خلاصه مقاله:

This paper proposes a new artificial intelligence control for a voltage-source converter (VSC) by using the conventional current components as the VSC dynamicvariable. Neural network has been applied very successfully in the identification and control of this dynamic system. The proposed control system regulates the VSC ac-side real-and reactive-power components. The proposed control is applied to a VSC-based model and simulation results based on MATLAB software are presented.

کلمات کلیدی:

arma_l2, voltage-sourced converter (VSC), dq current components

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