

عنوان مقاله:

Controlling voltage sag and voltage swell by DVR due to power quality improvement in electrical power distribution system

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نویسندگان:

Hojat Makvandi - Abadan oil refining company

Alireza Sadrania - Abadan oil refining co

خلاصه مقاله:

Nowadays, power quality is one of the major concerns of power systems, inappropriate quality of delivered power to consumers, make problems such equipment temperature increases, many performance of equipment, decrease efficiency and in result reduction of useful life span of equipment. On one hand, being inappropriate and power quality have adverse and negative effects on power system equipment like transformers, transmission line and compensation equipment and... that in this case, its result will be reduce effectiveness of power system. Between the parameters of power quality that has been noted in this article, the voltage sag has most important disorder for power systems and consumers that in present paper suggested that used DVR (Dynamic Voltage Restorer) to remove this problem and also has been studied effect of DVR on voltage swell that results of simulation determined DVR in addition to beneficial effects on voltage sag, has favorable effects on voltage swell. For simulation of this paper, we used MATLAB and its SIMULINK software. Keywords: power

کلمات کلیدی:

power quality, Voltage sag, Voltage swell, DVR

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