

## عنوان مقاله:

Compensation for Power Quality Improvement in Electric Arc Furnace with Considering Economic Index

## محل انتشار:

مجله مهندسی برق مجلسی, دوره 6, شماره 1 (سال: 1391)

تعداد صفحات اصل مقاله: 8

## نویسندگان:

Ghazanfar Shahgholian - *Compensation for Power Quality Improvement in Electric Arc Furnace with Considering Economic Index*

Maryam Golibagh - *Compensation for Power Quality Improvement in Electric Arc Furnace with Considering Economic Index*

## خلاصه مقاله:

In recent years, on the one hand with increasing application of nonlinear loads in power systems and no sinusoidal currents that extracted from system, and on the other hand increasing loads sensitive to power quality and destructive effects of nonlinear loads on power quality of power systems, compensation these loads has been converted to one of the main issues in power systems. The use of flexible AC transmission system (FACTS) devices is one of the most progressive methods which are used for improving power quality. In this paper, series and parallel compensators of static synchronous compensator (STATCOM) and dynamic voltage restorer (DVR) are introduced and the comparison of these two in compensating of power quality phenomena from electric arc furnace is provided. STATCOM is a shunt active filter and DVR is a series active filter. Method which has been selected for control of every one of these devices ..is an optimal control way that it minimizes power losses

## کلمات کلیدی:

instruments FACTS, en, STATCOM

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1795391>

