سیویلیکا - ناشر تخصصی مقالات کنفرانس ها و ژورنال ها
گواهی ثبت مقاله در سیویلیکا
CIVILICA.com

عنوان مقاله:

Design and Implementation of a 600kV/200kVA High Voltage AC Test System

محل انتشار:

شانزدهمین کنفرانس بین المللی برق (سال: 1380)

تعداد صفحات اصل مقاله: 14

نویسندگان:

.Esmaili - *Electrical Eng. Research Center, Jahad Daneshgahi, IUST University, Tehran, Iran*

.Sadegh Mohammadi - *Electrical Eng. Research Center, Jahad Daneshgahi, IUST University, Tehran, Iran*

.Graeeli - *Electrical Eng. Research Center, Jahad Daneshgahi, IUST University, Tehran, Iran*

.Mirghafoorian - *Electrical Eng. Research Center, Jahad Daneshgahi, IUST University, Tehran, Iran*

خلاصه مقاله:

High voltage test systems are widely used to perform various tests in several fields of the electric power industry. In this paper, after a brief review of some general requirements and standards for a high-voltage test system, the design and simulation results of a particular 600kV/200kVA AC test system have been presented. According to these results, the system meets voltage, power, and partial discharge requirements defined by the IEC standards. Also, the simulation of the electric field on the top electrodes has been performed using the Finite Difference Method. Practical .measurements of a 200kV/5kVA scale-down pilot test system confirm the design and simulation results

کلمات کلیدی:

س.High Voltage Test System, Partial Discharge, Finite Difference Method

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/36570