

Session: S1 (Power demand and supply, and distribution)

Title: Status quo on the installation and operating situation of power capacitor in China

Authors: T.Guo (presenter) Xi'an Power Capacitor Research Institute
T.Muraoka, S.Inno Nissin Electric Wuxi Power Capacitor Co., Ltd.

Abstract:

China, which has 26 times land and 10 times population as large as Japan, is reinforcing its power network to cope with the progress of economy. This paper describes the comparison of the survey results in China and Japan on planning, operation experience and fault record of power capacitor. We also report the difference of the installation ratio of power capacitor and generation plant, installation point of power capacitor in network, the selection of % value of series reactor and protection method of capacitor element fault. We then discuss what the reactive power compensation should be in China.