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MANAGEMENT OF MODES OF DISTRIBUTIVE ELECTRIC NETWORKS OF CITIES UNDER CONDITIONS OF WEAK CORRELATION OF GRAPHICS OF ACTIVE AND REACTIVE POWER

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Abstract

Settlement and experimental studies of the use of filter-compensating devices for use in lighting electrical networks and phase-switched booster transformers for controlling the flows of active and reactive powers are presented. The analysis of component capacities in the conditions of non-linearity of the characteristics of their consumers and low correlation of voltage and reactive power in urban distribution networks is carried out. References 9, figures 5.

Key words: phase-switched booster transformers, filter-compensating devices, reactive power, urban distribution networks, control, mode.

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