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FEATURES OF USE OF ELECTRICAL VEHICLE CHARGER STATION IN URBAN ELECTRICAL NETWORKS

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Abstract

The application features of charging stations that are installed in multi-apartment buildings and public institutions of the megapolis and are intended for charging traction batteries of electric vehicles and hybrids are considered. The potential reserve of the active power of the electric grid for charging an electric vehicle at different times of the day is determined as well as the possibility of equalizing the daily schedule of the load of the distribution network by active use of chargers during minimal loads of household and office electric consumers. References 3, figures 4, table 1.

Key words: electric vehicle, charging station, load graph, distribution electric network.

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