

The invention relates to electrical engineering and electrical power engineering, in particular to devices for controlling the alternating voltage in the electrical and power systems.

The device for controlling the alternating voltage, according to the first embodiment, includes a high-frequency ferromagnetic element (2), consisting of a coil and a ferromagnetic core, made with an air gap. The coil of the ferromagnetic element (2) is connected to a high-frequency electronic switch (4) in a connection node, the other ends of which being connected to the terminals for connection to the power source (1). Between said connection node and a terminal for connection of the load (6) is connected an electronic switch (5) to the frequency of the power source (1). Between the terminals for connection to the power source (1) and the load (6) is connected a filter capacitor (3).

In the device for controlling the alternating voltage, according to the second embodiment, the ferromagnetic element is made as an autotransformer.

Claims: 2

Fig.: 3

