

The proposed device for stabilizing load current contains an electrical reactor in the load circuit, a capacitor bank, an inductance coil in the circuit of the capacitor bank, a resistor connected in series with the inductance coil, and two additional electrical reactors. The windings of the electrical reactor in the load circuit, the capacitors and the load are connected according a star circuit. One of the additional electrical reactors is in series inserted in series in the circuit of the capacitor bank, and the other reactor is connected in series with the inductance coil and the resistor.