

The invention relates to the field of electrical engineering and power engineering and can be used in the wind and hydraulic units for wind stream and respectively water flow kinetic energy conversion into electric energy for stabilizing the output voltage of the induction slow-speed generator with two windings.

The voltage stabilizer of the induction slow-speed generator includes two windings of the generator stator, the working one (1) and the excitation one (2), connected in the autotransformer scheme, two capacitor banks (3, 5), connected in parallel and attached to the excitation winding (2), electronic commutation switches (6), a voltage sensor (9) for controlling the relay (10) and one of the capacitor banks (5) and a second voltage sensor (8) connected in parallel to the first one. The electronic commutation switches (6) are connected between the output terminals of the excitation winding (2) and the impedances (7), connected to the null of the working winding (1), and the outputs of the second voltage sensor (8) are connected to the electronic commutation switches (6) control circuits. The hysteresis loop of the second voltage sensor (8) is smaller than the hysteresis loop of the first voltage sensor (9).

Claims: 1

Fig.: 2

