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The invention relates to the field of electrical engineering, in particular to inverters made on the basis of transistors. The reversible inverter comprises a voltage terminal (U), connected to the positive pole of a capacitor (C1), the drains of field-effect transistors (Q1, Q2) and to the input of a power supply (1), a voltage terminal (U2), connected to the positive pole of a capacitor (C2), the middle terminal of a power transformer (Tr), consisting of two identical windings (W1, W2), and to the anode of a diode (D2), the cathode of which is connected to the input of a pulse generator (2), the inputs of drivers (3, 4) and the cathode of a diode (D1), the anode of which is connected to the output of a power supply (1), the lower lead of which is connected to the lower lead of the pulse generator (2), the lower leads of the drivers (3, 4), one of the outputs of the drivers (3, 4), the sources of field-effect transistors (Q3, Q4), the negative poles of the capacitors (C1, C2 ) and to a common terminal (COM). The drain of the field-effect transistor (Q3) is connected to the lead of the winding (W2), one output of the driver (4) and to the source of the field-effect transistor (Q2), and the drain of the field-effect transistor (Q4) is connected to the lead of the winding (W1), one output of the driver (3) and to the source of the field-effect transistor (Q1). At the same time, the other two outputs of the driver (3) are connected to the gate of the field-effect transistor (Q1) and the gate of the field-effect transistor (Q3), respectively, and the other two outputs of the driver (4) are connected to the gate of the field-effect transistor (Q2) and the gate of the field-effect transistor (Q4), respectively.

Claims: 1
Fig.: 1