

The invention relates to electrical engineering, in particular to uninterruptible power supply devices. The uninterruptible power supply device with combined bridge inverter and accumulator charging unit comprises a load (SARCINA), one end of which is connected to the first end of the primary winding (W1) of a power transformer (Tr) and to the upper contact of a relay (K1), and the second end of the load (SARCINA) is connected to the second end of the primary winding (W1) of the power transformer (Tr), to the first input of a control module (MD), and to one end of the plug (REȚEAUA), the other end of which is connected to the second input of the control module (MD), and to the middle contact of the relay (K1). The device further comprises a current sensor (Ri), the first end of which is connected to the third input of the control module (MD) and to the negative terminal of an accumulator (Acc), and the second end is connected to the fourth input of the control module (MD), while the first two outputs of the control module (MD) are connected to the inputs of a driver (1), and the other two outputs to the inputs of a driver (2), while the outputs of the driver (1) are connected, respectively, the first to the gate of a power key (Q1), the second to the gate of a power key (Q4), the third to the source of the power key (Q1), to an end of the secondary winding (W2) of the power transformer (Tr), and to the drain of the power key (Q4), and the fourth to the source of the power key (Q4) and the second end of the current sensor (Ri), and the outputs of the driver (2) are connected, respectively, the first to the gate of a power key (Q2), the second to the gate of a power key (Q3), the third to the source of the power key (Q2), the other end of the secondary winding (W2) of the power transformer (Tr) and to the drain of the power key (Q3), and the fourth to the source of the power key (Q3) and the second end of the current sensor (Ri), while the drains of the power keys (Q1) and (Q2) are connected to the positive terminal of the accumulator (Acc).

Claims: 1
 Fig.: 3

