

A method for accumulator battery charging through DC-DC converter comprises supplying voltage in drive motor operation mode; in the case inputs of DC-DC converters are connected in parallel to series winding, the outputs – to a capacitor and the accumulator battery through an insulation diode. Supplying voltage to the accumulator battery and a bank of pulse capacitors in drive motor operation mode while field decay is made at the same time with supplying voltage to the DC-DC converters, whose inputs are connected parallel to the series windings, the outputs are connected to the bank of pulse capacitors. In stopping regime the inputs of DC-DC converter are connected to the bank of pulse capacitors, the outputs – to the accumulator battery. In stopping regime the input of second DC converter is connected to a braking resistance, the outputs – in parallel to the bank of pulse capacitors.