

A pulse power unit relates to power engineering and may be used for construction of pulse starting-charge devices, pulse welding invertors. The power unit comprises a transformer with two primary half-winding, to which two diode-transistor half-bridges are in series connected, which are parallel connected one to another. In addition, an auxiliary circuit comprising in series connected diodes, a polar capacitor and a transistor is incorporated. The transistor is in parallel connected to the diode and in series connected to the capacitor. The proposed invention provides more stable operation of the supply unit; occurrence of short circuit is eliminated.