

97-0315

The invention relates to the electrical engineering and is provided for manufacturing of high-powered transistor power supplies of different use (charging units, welding apparatus, cathode protection stations).

Process for control of an RC-load two-cycled resonant transistor converter of a constant current comprising transistors switching in turn with a pause, limitation of the load current during the overloads in which by achieving the load current of the predetermined level, the duration and the transistor switching period are increasing up to the determined values and the converter supply voltage is decreasing with a constant value predetermined by the time so, that the initial values of the duration and transistors switching period have been restored at the further overload removing.

The technical result consists in elimination of dynamic overloads and steady leakage current during the transistors commutation that provides safety function of the converter up to the short-current.