

A toroidal-core transformer comprises a magnet core, where windings of primary and secondary voltage are located. The magnet core includes two components of toroidal part. Each part has grooves located radially on one of plane sites of each toroidal parts of the magnet core. In grooves of the first toroidal part of magnet core, section beams are laid, which are connected in series in, at least, one phase winding and create the winding of primary voltage. In grooves of the second toroidal part of the magnet core section beams are laid, which are connected in series in, at least, one phase winding and create the winding of secondary voltage. Toroidal parts of the magnetic core are connected one with another in common magnetic core so that grooves of the first toroidal part of magnetic core are situated opposite grooves of the second toroidal part of magnetic core one to another.