

INDUCTIVE HEATING WITH AUTONOMOUS INVERTERS WITH ENERGY DOSAGE

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The paper presents the analysis and experimental results for the autonomous inverters with energy dosage used in the induction heating installations. The average of these sources of energy is that their output power is set out again clearly, that during operation this one does not depend on the load parameters. It remains equal to a specified value. First the converter's block diagram with energy dosage is presented. Afterwards one presents both alternatives of inverters: in bridge and half-bridge. Finally there are presented the control circuit with Phase-Locked Loop and the practical results.