Synchronous Rectification in High-Frequency MagAmp Power Converters

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 *Abstract*: **The paper describes new approaches to high-efficient high-frequency power supply design for specialized computer systems, which require high load current at low output voltage. It is suggested to use semiconductor power converters based on high-frequency magnetic amplifiers. Paper shows the ways to increase converter’s efficiency due to the use of a synchronous rectifier based on MOSFETs.**

 *Keywords*: **high-frequency magnetic amplifier, synchronous rectifier, power converter, high level of the load current.**