



NO LOSS MAGNETIC POST-REGULATOR

Innovative magnetic post-regulator suitable for low voltages and strong currents

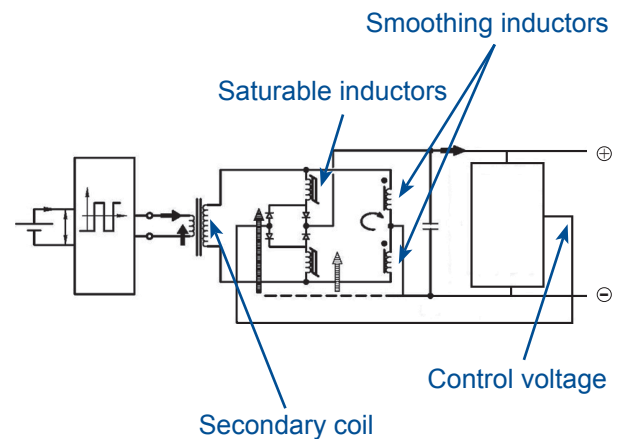
Technological benefits

Simple, reliable design

- Very few components
- No free-wheel diode
- Passive device
- A single coiling on the secondary side
- Magnetic system tolerating failures and short circuits
- Robust components operating in harsh environments

A high-performance circuit

- High yield, especially at high power
- High performance at high frequencies (200 kHz)
- Suitable for polyphase currents
- Limited spurious noise



Invention overview

- Magnetic post-regulator only using passive components
- compatible with a wide operating range
- Current doubler function

Potential applications

DC converters:

- HVDC installations
- Onboard converters (rail, aerospace)

Welding equipment, plasma torches

Wireless charging

Commercial benefits

An optimal solution

- Cost reduction
- Post-regulator composed of very few components
- Easy-to-repair system

TRL : 3-4 (2010)

*Patented invention, available under license
Pre-industrialisation in progress*

For further information