



# Electronic Ballast EVG



## Competitive advantage

- maximum energy efficiency
- maximum life expectancy
- maximum cost efficiency
- maximum CO2 savings
- maximum environmental compatibility

## General Characteristics

Significant reductions of electric losses within half-bridge circuits

## This leads to following positive implications:

- higher switching-frequencies through minimized switching losses
- thereby unique control performance
- thereby more compact construction of inductive components
- reduced filtering efforts due to lower EMC
- lightly and more compact construction due to lower losses and small EMC filters
- extended life time due to reduced impact on electronic Components

## The Electronic Ballast EVG are used successfully in:

printing industry, electronic industry, plastic industry, building materials industry, textile industry, packaging industry, pharmaceutical industry, automotive industry, glass industry and engineering.

*These are just a few examples from the various partner portfolio of Beltron.*

## Beltron GmbH

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## Special Characteristics

- compact and light weight design
- balanced load
- power factor ( $\cos\varphi > 0,95$ )
- high efficiency
- true power control
- production output
- step less and fast power control
- square-wave lamp current
- ignition box

## Advantage for the user

- low space required / easy implementation
- no power factor correction required
- few energy consumption
- few waste heat / low cooling effort
- no influence of variation from mains
- interruption-free and constant power / optimum of
- few energy consumption / few waste heat
- better emitter life time due to lower power requested
- tailored emitter power
- possibility of cyclic operation
- no dark-phases / constant radiation
- integrated / easier installation

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