

EPS

Product Highlights

- cascadable to 12kW (2 x EPS)
- 10% efficiency increase
- improved reignition
- continuously variable power control
- longer lamp life

Benefits

- service-friendly due to pluggable connections
- less space required/reduced footprint
- reduction of production costs
- good price/performance ratio

The EPS is an electronic power supply for UV discharge lamps with maximum power of 2.0 kW to 7.2 kW as a stand-alone unit and up to 12 kW as a cascaded version consisting of 2 units. The EPS is ideal for doped lamps with an arc length of up to 500 mm and mercury lamps up to 680 mm.

Features

The square-wave power output of the EPS causes approximately 10% greater UV yield for the same electrical power

compared to the sinusoidal power output of a conventional transformer/choke ballast. Additional features:

- integrated ignitor
- compact design, approximately 50% smaller footprint for a 10-lamp system
- continuously variable power control, application dependent between 11% and 100%
- improved lamp reignition compared to conventional technology



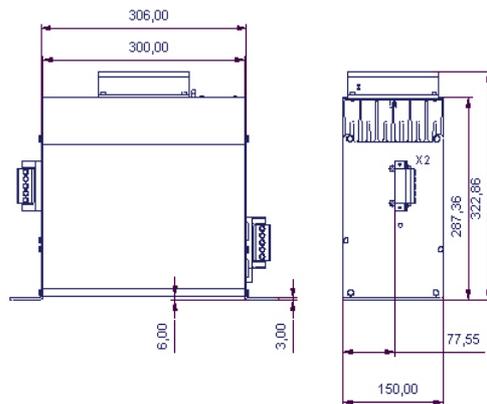
Application example

Switch cabinet with 10 EPS – the following configurations are possible:

- 10 x 7,2 kW
- 1 x 12 kW + 8 x 7,2 kW
- 2 x 12 kW + 6 x 7,2 kW
- 3 x 12 kW + 4 x 7,2 kW
- 4 x 12 kW + 2 x 7,2 kW
- 5 x 12 kW

Technical Data

Maximum power output	7,2 kW, 12 kW as a cascable version (2 x EPS)
Main supply	400 V - 480 V, 50/60 Hz
Power control	11 % - 100 % with analog signal 1,1 V - 10 V DC application depending
Potential free error signals	Total error Lamp error Earth fault Phase loss Over temperature
Output signals	UV ready UV on



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Operating parameters depend on production characteristics and may differ from the foregoing information. We reserve the right to modify technical data.



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