



## EPS 100

### Electronic Power Supply

#### System-Features

- 10 kW maximum power
- Continuously variable power control
- Service- and installation-friendly due to pluggable connections
- Less space required/ reduced footprint

#### Advantages

- 10% increase in efficiency
- Improved reignition
- Longer lamp life
- Compact design

## EPS 100

The **EPS 100** is an electronic power supply for UV discharge lamps with a maximum **power of 7.6 kW to 10.0 kW**. The EPS is ideal for doped lamps with an arc length up to 500 mm and mercury lamps up to 680 mm.

### Features

The **rectangular current output of the EPS causes an approximately 10% greater UV yield** for the same electrical power compared to the **sinusoidal power output of a conventional transformer/ choke ballast**.

#### Additional features:

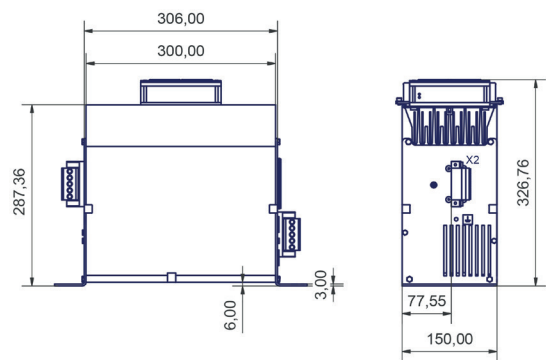
- Integrated ignitor
- Improved lamp reignition compared to conventional technology
- Compact design, approximately 50% smaller footprint for a 10-lamp-system
- Continuously variable power control, application dependent between 11% and 100%

### Technical Data

Maximum power output as per specification	7.6 kW to 10.0 kW in steps of 0,4 kW
Mains 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

### Application example

Switch cabinet with 10 EPS:  
10 x 7,6 to 10,0 kW





Curing
Drying
Bonding
Potting
Measuring














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Operating parameters depend on production characteristics and may differ from the foregoing information.  
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