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 con-ventional 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