



EPS Series

Electronic Power Supply

System- Features

- Digitally controlled
- Easy connection - “plug and play” design
- Up to 10 x 1,200 W power

Advantages

- Improved re-ignition
- Compact design
- Energy efficient operation

EPS Series

The **electronic power supplies** of our EPS-series are designed to operate **amalgam low pressure UVC lamps**. They are perfectly suitable for UV lamps with a lamp power from **4 W up to 1,200 W**.

Characteristics

The newly developed digital control allows precise adjustment of the lamp and therefore, efficient and „gentle“ operation. Due to an integral filament pre-heat and improved monitoring of the lamp operation, the lamp lifetime can be prolonged.

Additional features:

- safe and effective protection circuit
- compact design
- continuous power adjustment
- option: adjustable lamp current

Designs

Our digitally driven ballasts are available with the following power settings:

4-11 W, 11-16 W, 16-25 W, 30-60 W, 60-100 W, 40-150 W, 80-200 W, 200-480 W

Twin-flamed:

2x 30-80 W, 2x 60-100 W, 2x 80-125 W, 2x 150-320 W

MLC-Rack:

The compact **Multi Lamp Controller** can drive **up to 60 UV lamps** with only one ballast. Thanks to its high variability, the MLC is suitable **for big plant installations** and offers the following connection possibilities:

60x 200 W, 30x 400 W, 14x 800 W, 10x 1,200 W

Numerous additional specifications are possible on request.

Technical Data

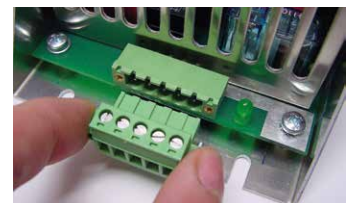
Maximum power per lamp	1,200 W
Voltage supply EVG-UVT MLC-Rack	12 V, 24 V, 110 V, 230 V 3x 400 V
Power adjustment (optional)* EVG-UVT MLC-Rack	60-100 % stepless 30-100 % stepless
Output signals EVG-UVT MLC-Rack	Relays «Operation», LEDs Ethernet, LEDs, 4x digital OUT
Interface EVG-UVT MLC-Rack	RS485 (optional) Ethernet, ModBus TCP

*Dependent on used lamp

To minimize installation and service effort, our power supplies are equipped with printed circuit board connectors.

Integrated LEDs signal the operation conditions of the EPS (e.g. pre-heat, lamp ON) and clearly display status.

All EPS series products are suitable for integration into existing UV systems.



Printed circuit board connector with LED

The only premise is that the ballast matches the installed lamp.

If required, we may need a lamp sample to verify lamp parameters.