

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

Electronic Power Supply

The **electronic power supplies** of our EPS-series are designed to operate **standard, HO and 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 life-time can be prolonged.

Additional features:

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

Designs

Our digital electronic power supplies have a **very high efficiency**. Also, they have no moving parts which saves installation, energy and maintenance costs.

The devices are available as single-flame Ballasts for 4-480 W or as a two-flame version from 30-320 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**.

Technical Data

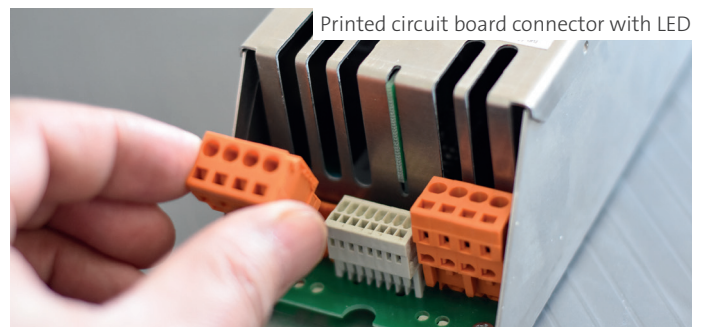
| | |
|---|---|
| Maximum power per lamp | 1,200 W |
| Voltage supply EVG-UVT | 12 VDC, 24 VDC, 48 VDC, 72 VDC, 110 VAC, 85 - 264 VAC, 230 VAC |
| MLC-Rack | 3x 400 VAC |
| Power adjustment (optional)* EVG-UVT | 60-100 % stepless |
| MLC-Rack | 30-100 % stepless |
| Output signals EVG-UVT | Relays «Operation», LEDs |
| MLC-Rack | Ethernet, LEDs, 4x digital OUT |
| Interface EVG-UVT | RS485 (optional) |
| MLC-Rack | 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. The only premise is that the ballast matches the installed lamp. If required, we may need a lamp sample to verify lamp parameters.



Printed circuit board connector with LED



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