



EPSA-Series

**Electronic power supply
for UV medium-pressure lamps**

System-Features

- Up to 36 kW lamp power
- Analogue or digital control
- High efficiency up to 98%
- Wide-range input and IT-supply capability

Advantages

- Gentle lamp start allows maximum lamp life
- Up to 300m connection cable to UV lamp
- Very compact and light-weight design
- Electrolytic capacitor-free design for max. lamp life-time and high ambient temperatures

EPSA-Series

Our EPSA-Series is a series of ballasts for **UV medium-pressure lamps** with power levels ranging from **2.5 kW to 36.0 kW**.

The EPSAs are **suitable for all UV water treatment applications**, such as swimming pools, sewage or ballast water treatment systems. For the latter we offer a specially developed maritime design on request.

Characteristics

The **high efficiency** of up to 98%, the dimming range from 5% and 100% and the integral HF sine-ignitor ensure an efficient and lamp-friendly operation. The wide range of supply voltages and the suitability for IT networks enable operation on almost all mains supplies worldwide.

The permissible cable length of our EPSAs of up to 300m offers the system manufacturer more flexibility and extended possibilities when setting up his control cabinets.

Operation

Communication possible by **analogue and/or digital interfaces** allows exact control and monitoring of all lamp and ballast parameters.

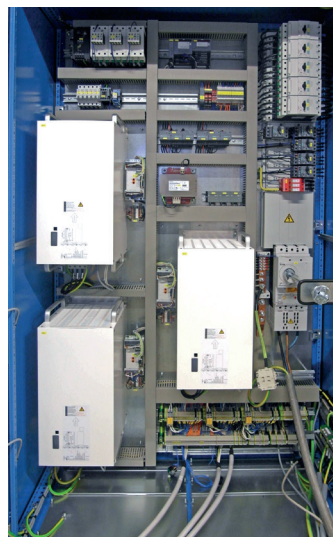
Application example

Thanks to the integrated cooling fans, the devices can be mounted nearly in any operating position. In the maritime version, ambient temperatures of up to 55°C are possible.

Technical data

Available power outputs	2.5 kW to 36.0 kW
Mains supply	3x 360-530 VAC, 50/60 Hz 3x 200-220 VAC on request
Power control	5% - 100 %* stepless
Efficiency	96% - 98%
Allowed lamp voltages	120 V – 3.200 V
Control inputs	analogue/digital
Output signals	Lamp voltage Lamp power Sum error and failure code
Digital connections	ModBUS (optional) CANOpen (optional) Fieldbus (on request)
Ambient temperature	0 - 40°C
Protection class	IP20

* depending on application and used lamp



Application example in a switch cabinet

hönle group	Disinfection	Drying	Curing	Control	Measuring			
aladin	eleco-efd	eltosch grafix	hönle	panacol	printconcept	raesch	tangent	uv-technik speziallampen



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