EPSA 80 / 120 / 240 / 340 / 400

ELECTRONIC POWER SUPPLY

System solution for Hoenle UV discharge lamps

FEATURES

- Up to 40 kW maximum power
- Continuously variable power control
- Service- and installation-friendly due to pluggable connections
- Small space required/ reduced footprint

BENEFITS

- High efficiency
- Reduction of production costs
- Improved reignition
- Longer lamp life
- Good cost/performance ratio

EPSA – ELECTRONIC POWER SUPPLY

The EPSA is an electronic power supply for UV discharge lamps with a maximum power from 9.2 up to 40 kW.

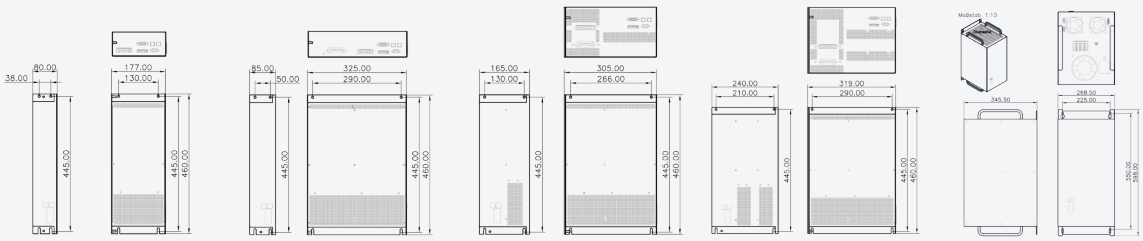
FEATURES

The square-wave power output of the EPSA effects a greater UV yield at the same electrical power compared to the sinusoidal power output of a conventional transformer/ choke ballast.

ADDITIONAL FEATURES

- Continuously variable power control, application dependent between 11% and 100%
- Integrated ignitor
- Improved lamp reignition compared to conventional technology
- Compact and lightweight design
- Less weight compared to a conventional power supply
- Service-friendly due to pluggable connections

	EPSA 80	EPSA 120	EPSA 240	EPSA 340	EPSA 400
Maximum power output as per specification	9,2 kW	12 kW	24 kW	32 kW	40 kW
Lamp voltage	max. 450 V	max. 900 V	max. 1.900 V	max. 2.500 V	max. 2.500 V
Mains supply	3x 400 - 480 V (±10%), 50/60 Hz	3x 400 - 480 V (±10%), 50/60 Hz	3x 400 - 480 V (±10%), 50/60 Hz	3x 400 - 480 V (±10%), 50/60 Hz	3x 400 - 480 V (±10%), 50/60 Hz
Power control	11 - 100 % bei analog signal 1,1 - 10 V DC application dependent	11 - 100 % bei analog signal 1,1 - 10 V DC application dependent	11 - 100 % bei analog signal 1,1 - 10 V DC application dependent	11 - 100 % bei analog signal 1,1 - 10 V DC application dependent	11 - 100 % bei analog signal 1,1 - 10 V DC application dependent
Control	analog / digital fieldbus	analog / digital fieldbus	analog / digital fieldbus	analog / digital fieldbus	analog / digital fieldbus
Efficiency η	typ. 97 %	typ. 96 %	typ. 96 %	typ. 96 %	typ. 96 %
Power factor cos φ	> 0,9	> 0,9	> 0,9	> 0,9	> 0,9
Dimensions (l x w x h)	460 x 177 x 80 mm	460 x 325 x 85 mm	460 x 305 x 165 mm	460 x 319 x 240 mm	598 x 346 x 269 mm
Bus interfaces (optional)	CANopen, Modbus	CANopen, Modbus	CANopen, Modbus	CANopen, Modbus	CANopen, Modbus



* valid for EPSA 80, 120, 240 and 340

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