

## HLP 115-1500

### Solid State Power Supply for UV lamps

#### Step less adjustable from 3,500 to 11,500 W

These fully electronic high frequency power supplies are designed to drive uv lamps in the various fields of industry, which use uv lamps from about 6,000 to nearly 12,000 W.

#### Special Advantages:

- universal use in the **nominal** power class of **6,000 to 11,500 W**, this means 1 power supply drives different types of uv-lamps in this power class
- step less and quick adjusting of uv-lamp power, e.g. for step less adjusting of uv-power according to the speed of a printing machine; or with discontinuing processes; or to adjust uv-power according to lamp ageing.
- constant wattage uv-lamp output according to power settings
- controlled by DC 0...10 V
- no influence of main voltage fluctuation
- wide range of main voltages from 400 to 480 V, 50 and 60 Hz
- 3-phase symmetric mains connection
- output is protected against ground faults, overload and short circuits, additionally open circuit causes no problems
- easy to install and less wiring needed
- no phase angle correction and no extern ignitor needed
- less heavy and in most cases smaller than a conventional power supply
- CE-sign and UL certificated (UL 1029)



#### Main Technical Data:

##### HLP 115-1500

Output power	Power is step less controlled between ~ 3,500 – 11,500 W * , also ~ 2,700 – 9,100 watts adjustable
Mains voltage	376 to 509 V
Mains current (at 11.5 kW)	approx. 3x 20 to 3x 15 A (PF = 0.95)
Mains frequency	50 and 60 Hz
Mains connection	L1, L2, L3, PE
THD (i)	< 10% typ.
Typical lamp arc length	~ 40 to 200 cm, Hg lamps, ~ 40 to 180 cm, doped lamps
Lamp operating voltage	900 to 1,350 V (nominal)*
Lamp operating current	up to 10 A
Duty frequency	~ 50 kHz
Ignition voltage	~ 4 kV
Power loss	approx. 5 %
Ambient temperature range	0 to 40° C
Dimensions	approx. . 350 x 550 x 240 mm
Weight	~ 28 kg
Cooling of the unit	Air cooling, by extended fan unit (internal supplied)
analogous power control input:	DC 3... 10 V for lamp power approx. 30 - 100%
analogous output for lamp voltage:	DC 0...10 V according to AC 0...1,500 V
analogous output for lamp current:	DC 0...10 V according to AC 0...15 A
analogous output for lamp power:	DC 0...10 V according to 0...15,000 W

\*To reach 11,500 W, a minimum actual lamp voltage of 1,200 V is necessary (max. 10 A lamp current) !