

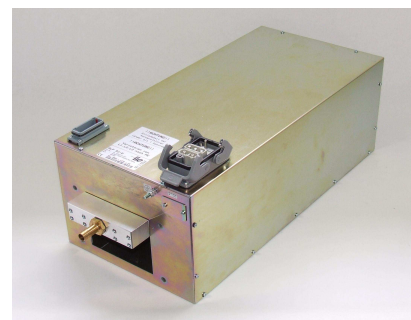
ALP 91-W (water cooled)

Solid State Power Supply for UV lamps Step less adjustable from 1000 to 9000 watts

These fully electronic power supplies are designed optimal to drive uv-lamps in the various fields of industry, e.g. Printing and much more, which use uv-lamps from about 5,000 to 9,000W nominal power.
The unit is water cooled.

Special Advantages:

- universal use in the **nominal** power class of **5,000 to 9,000 W**, this means 1 power supply drives different types of uv-lamps in the above named 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 (e.g. quick power pulsing); or to adjust uv-power according to lamp ageing.
- could be placed outside a cabinet, e.g. placed near the curing unit in the printing machine, so the control cabinet could be much smaller
- no influence of mains voltage fluctuation
- wide range of mains voltages from 376...509V, 50 and 60Hz
- 3-phase symmetric mains connection, including missing phase detection
- constant wattage uv-lamp output according to power settings
- controlled by DC 0...10V and 5 free contacts
- 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 many cases smaller than a conventional power supply
- in accordance to EN 50178 / VDE 0160 and other European and world wide standards (IEC)
- CE sign



Main technical data

ALP 91-W	
Output power	approx. 1000 - 9000 Watt step less adjustable
mains voltage	376 to 509 V
mains current (at 9000W)	3x 21A to 3x 16A (PF = 0,7)
mains frequency	50 to 60 Hz (mains connection L1, L2, L3, PE)
typical lamp arc length	approx. 15 to 60 cm (6" to 24") doped lamps approx. 15 to 70 cm (6" to 28") Hg-lamps
lamp operating voltage	100 to 450 V (nominal value)
lamp operating current	2,2 to 22 A
duty frequency	approx. 255 Hz
power loss	approx. 5 %
Dimensions (LxWxH)	approx. 600 x 255 x 240 mm
weight	22 kg
cooling of the unit	External, with water (10...35°C, not condensing!)
ambient temperature	0...50°C
analogues power control input	DC 0...10V DC 0-0,5V = OFF; DC 1-10V = ON and lamp power 10-100% analogues output for lamp voltage DC 0...10V DC 0-8V = AC 0-500V, DC 8,5-10V = lamp is OFF EMV EN 55011, group I, class A (industrial areas)