

ALP 91

Electronic Power Supply for UV lamps

Step less adjustable from 1,000 to 9,000 W

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 9,000 W nominal power.

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...509 V, 50 and 60 Hz
- 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 | |
|---|---|
| Output power | approx. 1,000 – 9,000 W 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 | 750 x 255 x 275 mm (with fan) |
| Weight | 26 kg (with fan) |
| Cooling of the unit | extern; electrically internal supplied |
| Ambient temperature | 0....40°C |
| Analogue power control input DC 0...10V | DC 0-0,5V = OFF; DC 1-10V = ON and lamp power 10-100% |
| Analogue 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) |