

ALP 120

Electronic Power Supply for uv lamps

Step less adjustable from 1,200 to 12,000 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 6,000 to 12,000 W nominal power.

Special Advantages:

- universal use in the nominal power class of **6,000 to 12,000 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 igniter 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 120	
Output power	approx. 1,200 – 12,000 W step less adjustable
Mains voltage	376 to 509 V
Mains current (at 12,000 W)	3x 23A to 3x 18A (PF = 0.85)
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	2,8 to 28 A
Duty frequency	approx. 255 Hz
Power loss	approx. 6 %
Dimensions	750 x 255 x 275 mm (with fan)
Weight	28 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)