

Solid State Power Supply for UV lamps

ALP 51

Step less adjustable from 500 to 5,000 watts

These fully electronic power supplies are designed optimal to drive uv-lamps in the various fields of industry, e.g. Printing, CD/DVD producing and much more, which use uv-lamps from about 3,000 to 5,000W nominal power.

Special Advantages:

- universal use in the nominal power class of **3,000 to 5,000 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
- constant wattage uv-lamp output according to power settings
- no influence of mains voltage fluctuation
- wide range of mains voltages from 376 to 509V, 50 and 60Hz
- 3-phase symmetric mains connection, including missing phase detection
- controlled by DC 0...10V
- 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 DIN VDE 0160 and other European and world wide standards (IEC)
- CE sign



Main technical data

	ALP 51
Output power	approx. 500 - 5.000 Watt , step less adjustable
mains voltage	376 to 509 V
mains current (at 5000W)	3x 15A to 3x 11A (PF = 0,6)
mains frequency	50 to 60 Hz
mains connection	L1, L2, L3, PE
typical lamp arc length	approx. 15 to 60 cm (6" to 24")
lamp operating voltage	100 to 450 V (nominal value)
lamp operating current	1,5 to 15 A
duty frequency	approx. 255 Hz
power loss	7 to 9 %
dimensions	400 x 128 x 275 mm
weight	14 kg
cooling of the unit	external, with mounted fan (supply by customer)
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)