

ALP 92-Wi (water cooled)

Solid State 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. The unit is water cooled.

Special Advantages:

- Very compact, **water cooled** unit, designed for 19-in-systems
- 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.
- 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 4...20mA 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 and other European and world wide standards (IEC)
- CE sign

Main technical data

ALP 92-Wi	
Output power	approx. 1000 - 9000 Watt step less adjustable
mains voltage	376 to 509 V
mains current (at 9,000 W)	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")
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. 6 %
Dimensions (WxDxH)	approx. 480 x 458 x 99 mm
weight	23 kg
cooling of the unit	External, with water (20...40°C, not condensing!)
ambient temperature	0...60°C
analogues power control input DC 4...20 mA (passive)	DC 4-4.8 mA = OFF; DC 5.6...20 mA = ON and lamp power 10 - 100%
analogues output for lamp voltage DC 4...20 mA (active)	DC 4...16.8 mA = AC 0-500V, DC 16.8...20 mA = lamp is OFF
EMV	EN 55011, group I, class A (industrial areas)