ALP 122-Wi (water cooled)

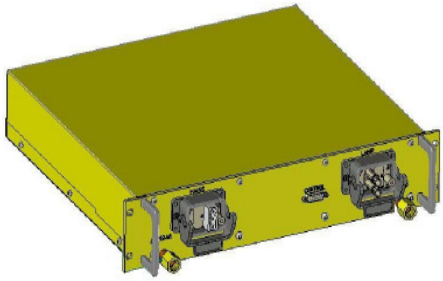
Solid State Power Supply for UV lamps (water cooled)

Step less adjustable from 1,200 to 12,000 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 9,000 to 12,000 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 **9,000 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.



- 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…20 mA 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 122-Wi	
Output power	approx. 1,200 – 12,000 W step less adjustable
Mains voltage	376 to 509 V
Mains current (at 12,000 W)	3x 26A to 3x 19A (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	2,8 to 28 A
Duty frequency	approx. 255 Hz
Power loss	approx. 6 %
Dimensions	approx. 480 x 458 x 99 mm
Weight	25 kg
Cooling of the unit	External, with water (20…35°C, not condensing!)
Ambient temperature	0….50°C
Analogues power control input DC 4…20mA (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…20mA (active)	DC 4…16.8mA = AC 0-500V, DC 16.8…20 mA = lamp is OFF
EMV	EN 55011, group I, class A (industrial areas)