

TEP 20-S

Electronic Power Supply for UV lamps up to 2000 W

This Electronic Power Supply is designed to drive uv medium pressure lamps in various fields of industry where a lamp power of up to 2,000 W is needed, e.g. for curing applications and many other.



Special Advantages:

- universal use in the nominal power class of 300 to 2,000 W, this means 1 power supply drives different types of uv-lamps in the above named power class
- stepless power adjustment
- constant wattage uv lamp output according to power settings
- lamp is operated with rectangular current (no dark phase)
- no influence of mains voltage fluctuation
- wide range of mains voltages from 196 to 249 V, 50 and 60 Hz
- with power factor correction, PF approx. 0,99
- no phase angle correction necessary
- external igniter allows longer cable lengths
- power adjustment via DC 0...10 V or 4...20 mA
- output is protected against ground faults, overload and short circuits, open circuit causes no problems
- status monitoring by a three-coloured LED and potential-free change-over contact
- easy to install and less wiring necessary
- in accordance to DIN VDE 0160 and other European and world wide standards (IEC)
- CE sign

Technical data	
Art. No.	630 20075 0000
Power output	approx. 300 – 2,000 W, step less adjustable
Mains	196 to 249 V / 50 and 60 Hz / L, N, PE
Mains current	12 to 9.5 A (PF = 0.99)
Power Factor / THDi	0,99 / 4,0 % at 2000 W
Typical lamp arc length	5 to 45 cm (2" to 17")
Lamp operating voltage	100 to 300 V ¹⁾
Lamp operating current	up to 14 A
Duty frequency	approx. 55 Hz
Power loss	approx. 15 %
Dimensions (WxHxL)	approx. 255 x 123 x 325 mm
Weight	approx. 4.9 kg
Cooling of the unit	internal
Operating temperature	0 to 40° C
EMC	according to EN 55011, group I, class A (Industrial areas)

1) To reach 2,000 W, a minimum lamp voltage of 145 V is necessary.