

BLP 26

Solid State Power Supply for UV lamps BLP 26

Step less adjustable from 260 to 2,600 watts

This fully electronic power supply is based on the ALP 51 and BLP 59 technical standard. It is designed as a difference to that well known units to work with 1 phase power line (AC 230 V, 50 and 60 Hz) and includes a power factor correction. The units are designed to drive uv-lamps in the various fields of industry, e.g. Printing, CD/DVD production and any application which uses uv-lamps typically from about 1,000 to 2,600 W nominal power.

Special Advantages:

- Universal use in the nominal power class of **1,000 to 2,600 W**, this means ONE power supply drives different types of uv-lamps in the above named power class
- Step less and quick adjustment of uv-lamp power, e.g. for step less adjustment of uv-power relative to the speed of a printing machine; or with interrupted processes (e.g. quick power pulsing); or to adjust uv-power relative to lamp ageing.
- To be placed in a cabinet or similar cooled housings, with max. temperature inside of 40°C (BLP26 has protection degree IP 20)
- With power factor correction for 1 phase power line
- Large mains voltage range of 230 V $\pm 10\%$, 50 and 60 Hz
- Constant wattage uv-lamp output according to power settings, no influence of mains voltage fluctuation
- Controlled by DC 0...10 V, with fault monitoring contact and DC 0...10 V output
- 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 external ignitor needed
- Lighter and in many cases smaller as a conventional power supply
- In accordance to DIN VDE 0160 and other European and world wide standards (IEC)
- CE sign, EMC according to EN 55011, group I, class A (industrial areas)



Main technical data

BLP 26	
Output power	approx. 260 – 2,600 W, step less adjustable
Mains voltage	200 to 240 V
Mains current (at 2,600 W) / power factor	15 A max. / PF = 0.99
Mains frequency	50 to 60 Hz
Mains connection	L1, N, PE
Typical lamp arc length	up to 60 cm (up to 23")
Lamp operating voltage	100 to 450 V (nominal value)
Lamp operating current	1.5 to 15 A
Duty frequency	approx. 255 Hz, rectangular
Power loss	approx. 12 %
Dimensions	approx. 400 x 125 x 270 mm
Weight	~ 13 kg
Cooling of the unit	external, with 2 mounted fans (internal supplied)
Ambient temperature	0° to 40°C (32 to 104 F)
Analogues power control input DC 4...20mA (passive)	DC 0 – 0.5 V = OFF; DC 1 - 10 V = ON and lamp power 10 - 100%
Analogues output for lamp voltage DC 4...20mA (active)	DC 0 – 8 V = AC 0 - 500 V, DC 8.5 - 10 V = lamp is OFF