# HLP 6.2-240

***Solid State Power Supply for UV lamps***
***Step less adjustable from ~186 to 620 W***

This fully electronic power supply is designed optimal to drive uv-lamps in the various fields of industry, which uses uv-lamps from about 380 to 620 W nominal power.

**Special Advantages:**

- universal use in the nominal power class of ~ **380 to 620 watts**, this means 1 power supply drives different types of uv-lamps in the above named power class
- max. power and dim range is adjustable by jumper in 5 steps.
- step less and quick adjusting of uv-lamp power 30…100 %, 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 ageing.
- constant wattage uv-lamp output according to power settings
- no influence of mains voltage fluctuation
- wide range of mains voltages from 180 to 305 V, 50 and 60 Hz
- with power factor correction, PF = 0,96 - 0,98; THDi = 9,5…8 % (@ 380 – 620 W)
- controlled by 0...10 V (in accordance to EN 60929),
- output is protected against over voltage, open and short circuits, additionally open circuit causes no problems
- easy to install and less wiring needed
- customized heat sink have to be added
- CE-sign

**Main technical data:**

| **HLP 6.2-240** | |
|---|---|
| Output power | approx. 186 – 620 W step less adjustable<br>(lower due to 5 power steps) |
| Mains voltage | AC 180 to 305 V |
| Mains current (@ 620 W) | 3,7 A max. at 180 Vrms |
| Max. leakage current | < 3,5 mA |
| Power Factor / THDi (@ 230 V) | 0,96 – 0,98 / 9,5…8% (@ 380 – 620 W) |
| Mains frequency | 47 - 63 Hz |
| Mains connection | L, N, PE |
| Typical arc length | 3 to 25 cm (1.2” to 10”) |
| Lamp operating voltage | 100 to 200 V |
| Lamp operating current | up to 6.2 A |
| Lamp warm up current | 5 A |
| Duty frequency | >70 kHz @ 620 W out<br>> 160 kHz @ 250 W out |
| Power loss | approx. 5 % |
| Dimensions approx. (WxDxH) | 238 x 123 x 67 mm, add heat sink |
| Weight | ~ 1.15 kg |
| Connectors | Cage clamps |
| Operating temperature | 0 to 50° C, non condensing, h eat sink max. 70° C |
| Analogous power control input | 0...10 V in accordance to EN 60929 |