

eUV-1 Compact B

Electronic Power Supplies for UV lamps 6.0 / 7.5 kW

stepless adjustable from 10 to 100 %

The electronic power supplies eUV-1 Compact B are technically essentially identical to the units of the eUV-1 Compact series, but they are designed as 1:1 replacement units for the well-known units of the BLP series. This means that their mounting length as well as their control logic and connection plugs are identical to those of the BLP. This makes it easy to replace the BLP units without interfering with the signal and control logic.



Old EPS BLP:



Name
art. no.

BLP 59 – S
630 20018 0000

BLP 75
630 20021 0000

Replacement:



Name
art. no.

eUV-1 Compact B 6kW 280-450V
630 20045 0000

eUV-1 Compact B 7,5kW 350-450V
630 20047 0000

Like the other units in the eUV series, the eUV-1 Compact B has other significant advantages:

- extremely compact design with **low weight (4,1 kg vs. BLP 14 kg)**
- **long lamp cables** can be used (**50 m vs. BLP max. 15 m**)
- wide range of **mains voltage 360 bis 528 V 50/60 Hz** (BLP: 376-509 V 50/60 Hz)
- **high efficiency** of up to **98%** (BLP: up to 93%)
- suitable for TN-, TT- and IT mains supplies
- LFAC* Technology for soft lamp operation
- lamp output is protected against ground faults, overload, short and open circuits
- pulse rise times < 3 ms
- status and fault monitoring via contact, analogue output or via service interface (BLP analogue output only)
- service interface outputs numerous status information
- 60.000 hrs. lifetime (MTBF)
- 12 months warranty, 15 months guarantee
- acc. to EN 50178:1997, EN 55011:2009+A1:2010, EN 61000-6.2:2005
- Made in Europe

Options :





- software for configuration and service available
- eUV Touch control box with colour display available

*: LFAC stands for 'Low Frequency AC' technology. The low-frequency AC square-wave lamp signal ensures quasi-free dark pauses and thus a soft lamp operation in the entire power range. In addition, long cable lengths are unproblematic because the lamp voltage is only slightly attenuated.

| Technical data | eUV-1 Compact B 6,0 kW | eUV-1 Compact B 7,5 kW |
|------------------------------|---|------------------------|
| Art. No. | 630 20045 0000 | 630 20047 0000 |
| Output power | 600 W – 6.0 kW | 750 W – 7.5 kW |
| Lamp operating voltage | 280 - 450 V | 350 - 450 V |
| Lamp operating current | 1.5 bis 22.0 A | 1.8 bis 22.0 A |
| Mains voltage | 360 – 528 V | |
| Mains frequency | 50 oder 60 Hz | |
| Mains | L1, L2, L3, PE | |
| Lamp duty frequency | 50 Hz | |
| Power efficiency (η) | up to 98 % | |
| Max. lamp cable length | 300 m | |
| Ambient temperature | 0° to 40° C | |
| Analogue power control input | DC 0 - 10 V | |
| Analogue output | DC 0 - 10 V for lamp voltage and error code | |
| Cooling of the unit | by internal fans | |
| Dimensions in mm (LxWxH) | 380 x 80 x 245 | |
| Weight | 4.1 kg | |
| Delivery | eUV-1 Compact B and all plugs. Both existing BLP plugs or the enclosed plugs can be used. | |

Options

The control logic of the eUV-1 Compact B units regarding the start-up and operating behaviour is identical to that of the BLP units. It is possible to set parameters via the OPA software. Various options facilitate the technician's work with an eUV:

| Options | |
|--|--|
| <p>630 10003 0000</p>   | <p>OPA adapter cable for parameter adjustments and service work</p> <p>The set includes all cables and adapters to connect an eUV to a PC as well as the service software OPA (Operating Performance Analyzer) on a USB stick.</p>  <p>With the enclosed software OPA all eUVs can be configured, e.g. the maximum power and max. lamp current. Furthermore, status messages can be detected and analyzed.</p> |
| <p>630 20044 0000</p>  | <p>eUV Touch Control Box with colour display for Electronic Power Supplies type eUV</p> <p>The eUV Touch control box with colour display can be used for remote control, configure and diagnose of eUVs. A PC is not necessary in this case. Incl. all cables and adapters.</p> |