Trasformer Rectifier mod. L

SAIT presents the L series of stabilized SCR power supplies, which are suitable for installation in street cabinets. The power supply has an anodized aluminum frame that measures 660 x 300 x 300 mm (LxWxH).

The power supply can operate automatically in three modes:

- At constant current.
- At constant potential.
- At constant potential with a base current.

It has the following electrical characteristics:

- The power supply is powered by a single-phase alternating current mains at a nominal voltage of 230 V ± 10%.
- The nominal frequency is 50 Hz ± 1%.
- The maximum no-load output voltage is 50 Vcc.
- The maximum output current can be found in the attached table.
- The efficiency is ≥ 70% at full load.
- The residual ripple of the output voltage is ≤ 1% at full load.
- A potentiometer allows for continuous regulation for:
- Output voltage from zero to the maximum value.
- Output current from zero to the maximum value.
- Cathodic potential from zero to 5 V.
- Base current from zero to 25% of the maximum output current.
- The variation of the set parameters is ≤ 2% of the set value.

Measurement instruments and devices include:

- An analog voltmeter (0÷60Vf) for measuring the output voltage (Vu).
- An analog voltmeter (+2÷−6Vfs) for measuring the Vddp.
- An analog ammeter for measuring the output current (Iu).

Adjustments:

- Output Voltage (Vu)
- Output Current (Iu)
- Pipe-to-Electrode Potential (Vddp)
- Base Current (Ib)

The power supply also features the following protections:

- Overcurrent protection for the AC input with a magnetothermal switch.
- Overcurrent protection for the DC output with a fuse.
- Overcurrent protection for the rectifier bridge with a fuse.
- Overvoltage protection.
- Protection against radio interference with filters.
- Protection against output polarity reversal.

Model	Output Voltage	Output Current
L 05	50 V	5A
L 10	50 V	10A
L 15	50 V	15A
L 20	50 V	20A
L 25	50 V	25A
L 30	50 V	30A