

REGULATION

SINGLE-PHASE VOLTAGE REGULATOR 7 KVA, 32 A

- ♦ Standalone cabinet for powering public lighting networks
- ♦ Integrated voltage regulation +/- 1%
- ♦ Connection to existing public lighting cabinet
- ♦ Aluminum cabinet, oven-baked epoxy powder coating
- ♦ Special treatment for tropical areas
- ♦ Can power more than 100 60-watt LED lights
- ♦ The cabinet can power LEDs as well as all luminaires with discharge lamps (HPS, metal halide, fluorescent tube)



BENEFITS



IMPROVING THE RELIABILITY OF FACILITIES

- ♦ Improved reliability of discharge and LED installations thanks to voltage regulation
- ♦ Surge protection, using type 2 surge arresters



EASY IMPLEMENTATION AND CONNECTION

- ♦ The cabinet is delivered ready to be placed on a concrete base
- ♦ All you need is a conduit to run the 6 mm² power cable and the 2 x 1.5 mm² control cable through the two bases



COMPATIBLE WITH EXISTING FLEET

- ♦ Robust and proven high-efficiency ferromagnetic technology
- ♦ Low heat generation
- ♦ No special requirements for networks, provided they are capable of powering the luminaires
- ♦ If there is no existing street lighting cabinet, BH Technologies also offers control cabinets that integrate the astronomical clock and two outputs in the same enclosure

DESCRIPTION

- ♦ A complete cabinet comprising a voltage regulator for discharge lamps (high-pressure sodium, fluorescent tubes, metal halide) and LEDs.
- ♦ Mixing different light sources on the same network is perfectly possible.
- ♦ Provides the benefits of voltage regulation to public lighting installations exposed to networks with significant fluctuations, particularly in island regions with a mix of electricity production sources. The stability and control of the voltage supplied leads to savings in maintenance costs.
- ♦ The service life of LED drivers and luminaires is greatly increased.
- ♦ Delivered pre-programmed and ready to connect for immediate use.
- ♦ The compact, high-quality aluminum enclosure can be installed next to the existing cabinet.
- ♦ The existing cabinet is powered via the regulator terminal to ensure perfect regulation.
- ♦ The control cabinet is protected against condensation to prevent condensation inside the cabinet.

TECHNICAL DATA

Downstream voltage regulation: $\pm 1\%$

Input voltage range: 190 V ~ 250 V

Maximum power: 6,400 VA @ 230V input

- Maximum current 25A @ 230 V output
- Maximum current 22A @ 210 V output

No generation of harmonics or interference on the power supply network

Energy efficiency: > 98%

Low heat generation

Compatible with tropical climates

Operating range: -20°C to +55°C

Integrated anti-condensation device, "dry cabinet" type

Monobloc aluminum terminal 5754 H 22 thickness 20/10, IP54/IK10, mounting for aluminum or concrete base (not supplied), 1 hinged door, 405 key lock and espagnolette bar, 4 inserts for STC dimmer mounting

Equipped net weight: 40 kg



COMMERCIAL REFERENCES

> **L-REGSTD-STC07:** 7 kVA regulator-variator in aluminum terminal with base

> **L-REGFUL-STC07:** Full version with clock and two outlets

Warranty

L-REGSTD-STC07 is guaranteed for 2 years against any manufacturing defects, parts and labour, return to factory. To limit moisture inside and ensure protection against insects and rodents, the sleeves must be sealed with expanding foam or cement/plaster.

