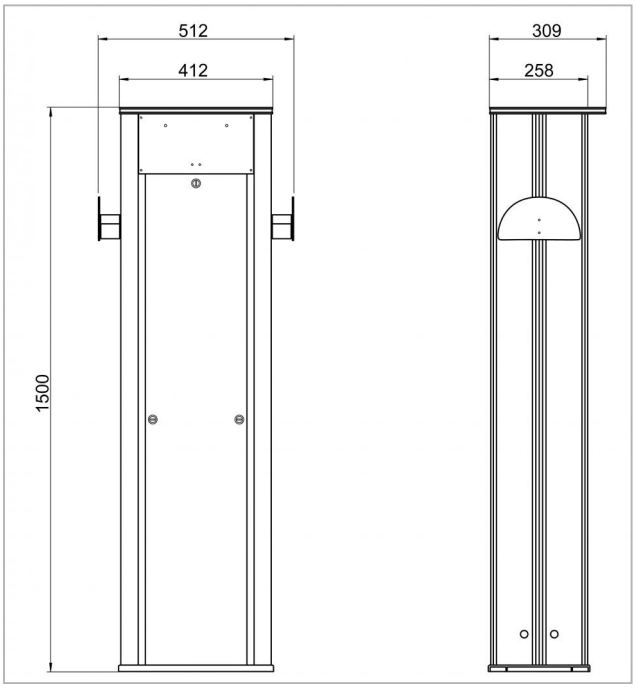
Steca SVE-822

Parking space supply unit with processor-controlled chargers for lead-acid batteries

The parking space supply unit SVE-822 consists of an aluminium column with one (SVE-822-E) or two (SVE-822-D) chargers. Up to two vehicles can be loaded simultaneously and independently. Connecting the bus to an optional bus information module (BIM) further allows for the identification of each respective vehicle, and for heating control and ignition status queries. This is especially important for bus depots. These data can be managed centrally, and individual parameters can be changed via the RS485 interface. Batteries are charged gently and quickly thanks to the processor-controlled charging process.

Quality made in Germany



Product features

- Aluminium housing with lockable front flap
- Half the charging time compared to simple, non-controlled chargers with the same rated current
- Optimal for charging batteries with liquid electrolyte and gel / absorbed electrolyte (AGM)
- Suitable for totally discharged batteries
- Constant battery operational readiness through integrated trickle charge
- Charging below the gassing voltage
- Optimal charging of damaged batteries
- Communication with bus identification module for vehicle identification, heating control and query of ignition status
- Interface for bidirectional communication

Electronic protection functions

- Protection in the case of wrong or damaged batteries
- Battery overcharge protection
- Charger output protected against short circuits, reverse polarity and overvoltage

Displays

- Multi-coloured LED shows operating states

Operation

- Mains grid switch
- Charging parameters adjustable via RS485

Interfaces

- RS-485 for connection to the depot management software

Options

- Spacer plate to compensate uneven foundations

	SVE-822-E	SVE-822-D
Charging rated voltage	24 V	2 x 24 V
Charge current	20 A	2 x 20 A
End-of-charge voltage	27.6 V	
Trickle charge voltage	27.2 V	
Characteristic curve	2 x UoIUoIU	
Grid voltage	230 V AC ±10 %	
Frequency	50 Hz (45 Hz … 65 Hz)	
Mains electricity (230 V)	4.0 A	8.0 A
Discharge current during grid failure	1.0 mA	2.0 mA
Protection class	I	
Casing	aluminium	
Degree of protection	IP 44	
Ambient temperature	-20 °C … +60 °C	
Cooling principle	regulated fan	
Dimensions (X x Y x Z)	385 x 225 x 1500 mm	
Weight	35.0 kg	41.0 kg