



Saves Your Energy

EVC

Charging stations for electric vehicles

A timelessly stylish and advanced solution for fast charging of an electric vehicle.

New, configurable charging station

Ensto's EVC charging station is a solution for the charging of an electric vehicle against a fee. It is suitable for both normal (single-phase charging at 16 A) and fast (three-phase charging at 32A) charging.

The basic features of the EVC charging station include the possibility of user identification, via either an RFID card or a mobile phone, and a data link to external information systems over a GPRS connection. The other features of the charging station can be configured according to current needs.

Stylish design for demanding environments

The timelessly stylish appearance of the EVC charging station is suited to different urban environments.

The charging station is made from durable materials, it is easy to clean, and acid-proof steel is used in its manufacture. It is especially suitable for demanding street side installations.

Safe and easy to use

The EVC charging station is safe and easy to use. There is a single-phase socket (16 A), a Mode3 connector (3 x 32 A) complying with the IEC standard, or both, underneath an electrically locking protective hatch. In order for the charging to begin, the hatch must be closed. After charging has ended, a local display under the cover reports the amount of energy supplied.

A three-color LED indicator on the charging station shows the charging status. It also indicates any error situations.

The EVC charging station complies with the IEC 61851-1 standard.

Park-and-charge

Electric vehicles are 'fuelled' every time they are parked, and owners of electric vehicles require several charging stations along their daily routes. Offering an opportunity to charge one's electric vehicle is a clear competitive advantage for shopping malls, parking garages, and entrepreneurs, and it allows the generation of new business.

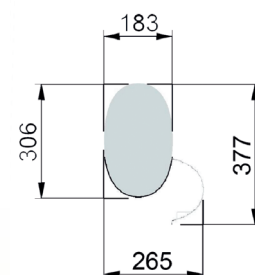
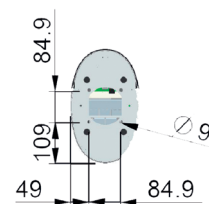
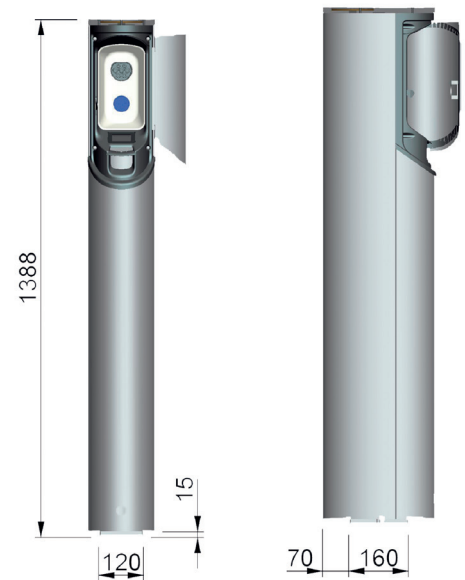
Electric vehicles are charged:

- at the workplace
- in parking garages
- at the side of the road
- in shopping malls
- at exercise locations
- in public transport park-and-ride facilities



Technical information

- Connection to car
 - Alternatively:
 - a) Mode1 charging
1 x Domestic socket (Type F, E, G)
 - b) Mode3 charging
1 x Type2 socket or 1 x Type 3 socket
 - c) Mode1 + Mode3 charging
1 x Mode1 socket + 1 x Mode3 socket
- Energy measurement
- Status indication
- Access control
 - Current transformers
 - 3 color LED signal light
 - Electric lock alternatively operated by
 - Key switch
 - RFID (ISO/IEC 14443A, ISO/IEC 15693)
 - Mobile phone (SMS, call)
 - Remote control (through communication interfaces)
- Communication
- No. of simultaneous users
- Material / color
- Enclosure class
- Nominal voltage
- Nominal current
- Nominal frequency
- Standard
- Supply connections
- Approval, markings
- Safety features
- Optional features
 - GPRS, RS485
 - 1
 - Acid proof steel, AISI 316 (optional painting in RAL color)
 - IP44
 - 230/400 V
 - 16 A and / or 3x32 A
 - AC 50Hz
 - IEC 61851-1, EN60439-1, EN60439-2
 - Cu 2.5-50mm², Al 6-50mm²
 - FI, CE
 - Residual current protection (RCD)
 - Plugging and unplugging done unpowered
 - All electric parts under vandal resistant hatch
 - Break point in mounting flange
 - Low control voltage 24 VDC
 - Over current protection
 - MID class energy meter
 - kWh display
 - RCD autoreset
 - RCD remote test
 - Temperature sensor
 - Tilt sensor
 - Battery back-up
 - 3x63A assembly



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