

# LS4 Electric Car Charging Stations

## MODERN AND RELIABLE SOLUTIONS FOR DRIVERS

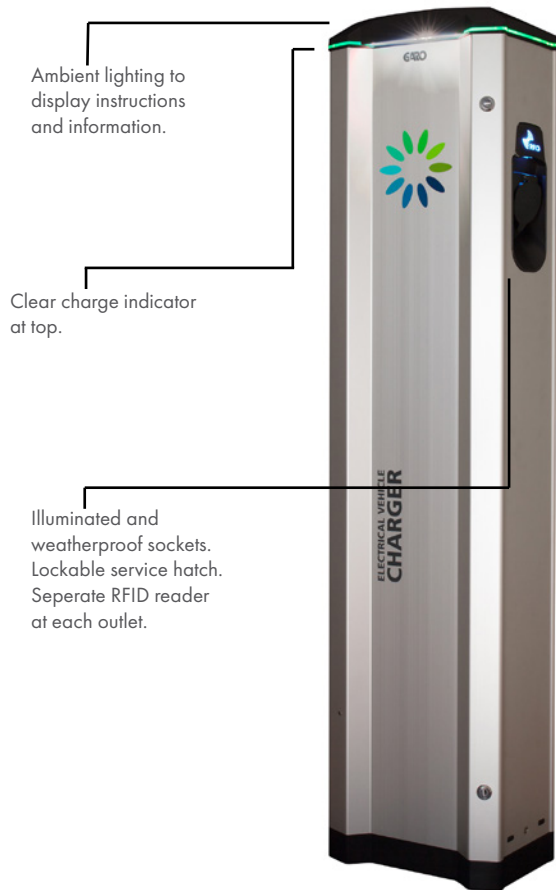
The GARO's LS4 station is manufactured from marine grade aluminum, which means it meets the strict requirements for devices installed in public places. Its construction allows it to be directly bolted to the ground (e.g. concrete), or mounted on a pole mounted assembly

The top of the charger features a 360° light indicator which displays the charge status of each station from a distance. The front illuminated surface, is available for customer logo and instructions.

The station is equipped with two illuminated type 2 sockets protected against weather conditions. Garo's LS4 is available in 16 A, 32 A versions, both single and 3-phase, with optional MID certified electricity meter. It has separate protection and residual current circuit breakers for each socket and integrated electronics communication between the station and the car.

The stations are equipped with intelligent controllers for each of the sockets enabling work with OCPP 1.5 and 1.6 protocols.

As a part of an installed station group, (up to 25 LS4 stations), a Dynamic Load Management (DLM) can be activated, which can dynamically control the power of each LS4 socket working in the group.



### System overview

- Car charging in Mode 3
- Type 2 connector from 3.7 kW to 22 kW
- Simple and intuitive operation
- User identification - RFID reader
- Charger status information
- Possibility of integration with Back Office (open OCPP protocol)
- Built-in communication (3G, LAN)
- Ability to activate DLM (dynamic power limitation of each socket)

### Main Features

- Connectors Mode 3
- Personalisation
- Floor-standing or wall-mounting
- Plug & play installation
- Free-standing or integrated construction with management system
- local and remote monitoring and control of devices
- compact version available (station dimensions 1400/375/208 mm)

### Recommended Locations for Installation

- Car parks in public spaces
- Supermarkets & shopping centres
- Bus and rail stations
- Restaurants



#### ECONOMY OF USAGE

Don't overpay - save!



#### SIMPLICITY OF USAGE

User-friendly product



#### COMMUNICATION AND CONTROL

Remote management of up to 32 Devices



#### AVAILABLE CONNECTORS

2 types of connectors Type 1 & Type 2



### Technical details

|  |  |
|--|--|
| Charger power (power input)                          | Max: 2x22kW  |
| 1 or 3 phase power supply, cabling, power parameters | Max: 3F: L1, L2, L3, N, PE; 400V, 50HZ <b>CE</b>   |
| Electrical Protection Type                           | RCD of type A or B and circuit breaker < 10 W/h  |
| Power consumption in standard mode                   | < 10W/h  |
| Charging standards                                   | IEC62196 Type-2, Type-1  |
| Available connectors                                 | 2 x Type 2 socket (version with sockets)<br>2 x Type 2 / Type 1 plug (version with cables) |
| Simultaneous 2 cars chargers                         | Yes  |
| IP / IK  | IP44 / IK10  |
| Working temperature range                            | -25° to +50°C (with cold option from -35°C   |
| Humidity   | 5 - 95%  |
| Dimensions / weights                                 | 1400/375/208mm / 25kg  |