

ETREL G6 EV CHARGING STATION

BASIC BUILDING BLOCK OF YOUR INTERACTIVE CHARGING NETWORK.



DESIGNED FOR RELIABLE OPERATION ON ANY LOCATION. UNLOCK ITS FULL POTENTIAL WITH AUTOMATIC CONNECTION TO YOUR CLOUD.



RELIABILITY BEHIND YOUR BUSINESS

The G6 AC charging station for electric vehicles can serve two parking spots with 22 kW each. It was designed with a focus on reliability, ease of use, maximum safety of end users, and practicality of installation and maintenance – optimised for the delivery of your charging service.

MODULAR ARCHITECTURE FOR EASY UPGRADE

With a multilingual LCD display that guides EV users through the charging process, easy-to-use RFID card reader, built-in smart energy meters for each socket, GPRS communication device, and all standard safety equipment included, the station comprises all the basic hardware needed for future-proof support of controlled EV charging. Remote firmware updates ensure ongoing compatibility with all vehicles on the market.

UNOBTRUSIVE, YET DISTINCT STREET FURNITURE

The G6 charger is made of robust stainless steel and can withstand all weather conditions and continuous use. It is designed to be unobtrusive in public parking locations while preserving its distinct shape to be easily spotted. You can add your own elements to make sure your network will be recognised by this commonplace urban equipment of the future.

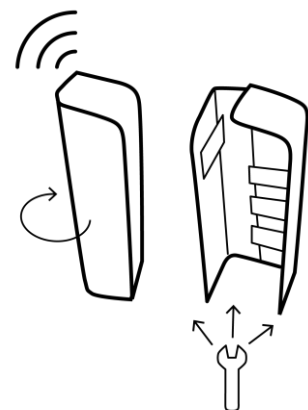
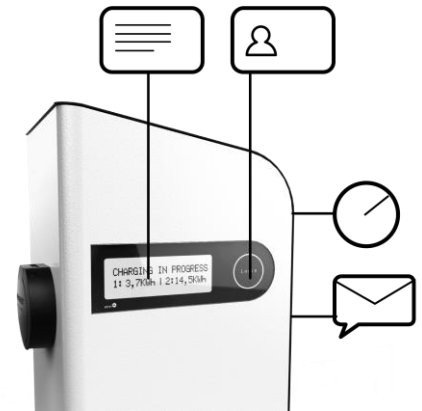
OPTIMISED TO REDUCE INSTALLATION AND MAINTENANCE COST

Compact dimensions allow installation close to the edge of the parking area. Several stations on the same location can be joined in a cluster where only one needs to perform as the communication interface to the control system. No screws or wires are visible or accessible without opening the locked enclosure with a special single-point locking mechanism.

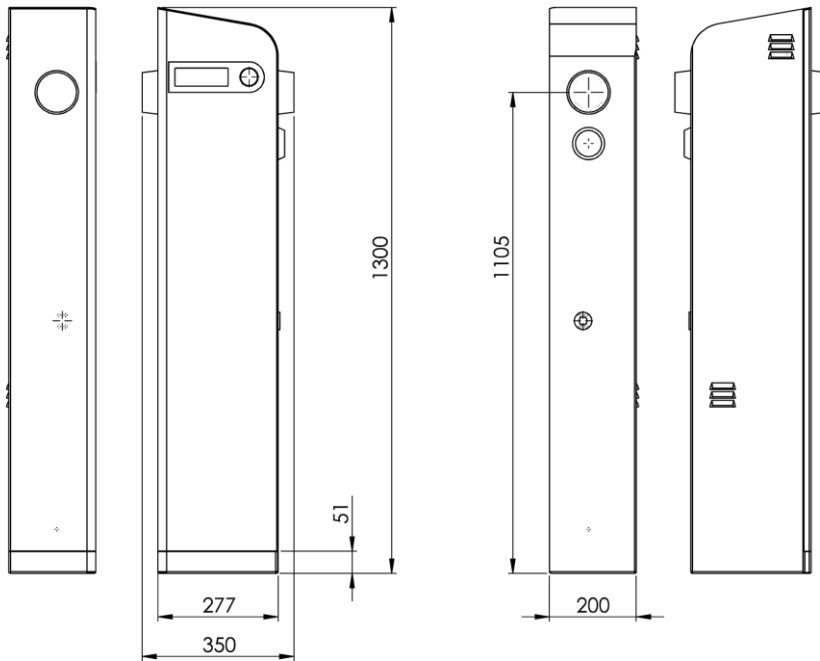
PLUG & PLAY BACK OFFICE CONNECTION

If you want a truly complete solution, Etrek chargers offer Plug&Play connection to your Ocean cloud management system. This gives you a unique possibility to start your business as soon as your chargers are installed and without further efforts and costs. Charging stations from Etrek can also be connected to other control systems using OCPP communication protocols.

When connected to a central management system, Etrek G5 charging stations are able to support a host of advanced functionalities. These include identification and authorisation of end users, bookings, payments, transmission of billing and charging records, monitoring of operation of charging station and its components, remote firmware updates, and following of power management commands



SPECIFICATIONS



The charger is compliant with IEC 61851-1 international standard which defines conductive AC electric vehicle charging (Part 1, Part 21 and Part 23) and supports Mode 3 charging.

See the the table bellow for details.

EV charging options	Two vehicles, single or three-phase AC charging. All vehicles according to IEC 61851 standard are supported.
Connector types	2 charging spots with IEC 62196-2 Type 2 socket with lid and locking of charging cable (optionally with locking of socket lid)
Nominal current and power per connector	Up to 32 A per phase; up to 7,4 kW single-phase and up to 22 kW three-phase
Charging control	Supports splitting of power between the two connectors when two vehicles are connected. Charging current limitation for each charging spot can be set at any value between 6-32 A.
User interface	All information related to the charging process is shown on the LCD display.

Energy metering	Embedded smart Class 1 electricity meter (MID compatible meters available) for each charging spot.
Electrical protection	Differential (ΔI 30 mA RCD type A or B+ high immunity), type C 40 A overcurrent protection, and software protection
Supported grounding systems	TN-S, TN-C, TN-C-S, and TT under special conditions
Supply power cable connection terminals	Up to 70 mm ²
Standby energy consumption	Up to 20 W
Connectivity	Ethernet port, optionally built-in GPRS router
Interoperability	Etrel native protocol for communication with backend management systems; OCPP 1.6 forthcoming
Access control	RFID module for user authorisation with RFID cards according to ISO/IEC 14443A and ISO/IEC 15693 standards.
Design	Compact, distinct design with front side opening of service doors for easy access to components (maintenance friendly). Enclosure made from stainless steel with extra anti-corrosion protection (powder coated) and polycarbonate display cover.
Dimensions and weight	130 cm x 28 cm x 20 cm; 37 kg
Environmental properties	IP min. 54, IK min. 08, operating range from -30°C to +50°C, up to 99 % RH, non-condensing
Installation options	Ground installation as self-standing cabinet. Several chargers can be connected as nodes within one cluster.
Warranty	24 months

Specifications are subject to change without prior notice.