

choose next
level.



ETREL HOMECHARGER G5
**ELECTRIC VEHICLE
CHARGING STATION**



SCHEDULED MODE OR FAST CHARGING MODE. AT THE TOUCH OF A FINGER.

Etre's charging station offers EV users fast, smart and simple charging of any standard electric vehicle. The station is equipped with a standard AC charging socket or cable and supports single-phase or three-phase charging with power up to 22 kW. You have a choice of two charging modes – fast charging with all available power or scheduled charging that follows the charging plan you have set in the station's web interface. The charger connects to your communication network with an Ethernet cable to enable access to its web interface from any device with a web browser.

Smart Charging

An essential part of Etre Homecharger is the dedicated software for the control and monitoring of EV charging. The web interface, which can be accessed from your favourite web browser, allows you to monitor the charging process, create useful reports (for example of your past energy consumption, costs, and CO2 footprint), set custom charging plans or limit the charging power. You can even manage charging power in accordance with your charging needs, electricity price, electricity use of other consumers in your home network and any smart grid programmes you might be taking part in.

Performance Meets Style

With its compact dimensions, Etre Homecharger is one of the slimmest on the market. The minimalistic touch interface lets you easily control your charging and instantly switch between charging modes with just the touch of your finger. LED icons clearly show you the current charging status and warn you of any potential problems. Two distinctive designs (Pure and Minimal) give you a choice to upgrade your garage with style.

Support for Multiple Users

When installed on a publicly accessible location, the charging station can be locked and its use limited only to authorised users with the right RFID cards. The station's service area is also physically locked, allowing access to its interior only to maintenance professionals. Operators of several Etre charging stations on the same location (for example in a parking garage) can connect them into unified communication and energy clusters to reduce system demands and costs.



Choose a stand.
Install anywhere.



Number of charging spots	1
Type of charging spot	- 7-pole IEC 62196-2 Type 2 socket (EU standard) - Tethered charging cable with IEC 62196-2 Type 2 plug (EU standard) or SAE J1772 plug (Japan-USA standard)
Charging mode	AC single- or three-phase charging
Output power	from 3 to 22 kW
Output current	up to 32 A per phase (can be limited in the web interface)
Output voltage	230 V single-phase or 400 V three-phase (+5 %, -3 %)
Electrical protection	Overcurrent, differential (30 mA) and calculated (current measurement, contactor welding, etc.)
Grounding type	Support for different systems: TN-S, TN-C, TN-C-S and TT (under special conditions)
Supply cable	three- or five-wire cable up to 10 mm ²
Metering	Embedded smart electricity meter
Communication	Ethernet connection to local communication network
User authorisation	»Plug & Charge« or RFID card identification
Station locking	Special lock and set of keys included
Configurability	Setting can be changed in the web user interface, used also for control of charging, monitoring, and reports

Simple Installation and Maintenance

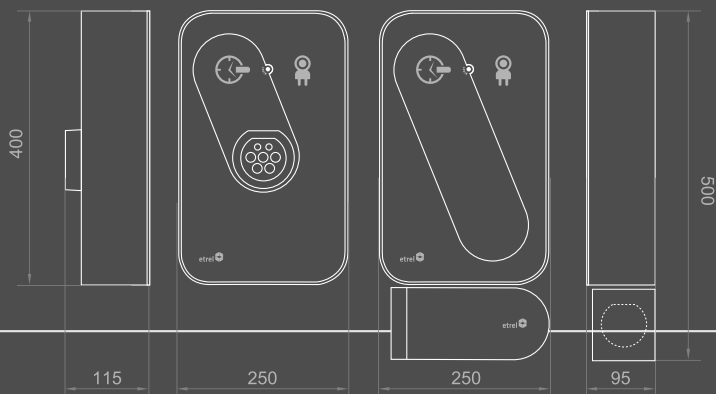
Due to its high level of IP protection, Etrek Homecharger can be installed anywhere and can endure even the most unfavourable weather conditions. The station is mounted to the wall with a special mounting bracket that is delivered together with the charger. It can also be installed on a dedicated self-standing pedestal. Easily accessible service doors at the bottom of the station can only be unlocked with a special key and allow you to quickly check the status of protection devices. To keep your charger up to date, you can always download the latest firmware updates directly through the web user interface.

Safety and Standards

The station is equipped with overcurrent and ground fault protection devices and constantly monitors their status. No voltage is present in the charging socket or cable until your vehicle is properly connected and ready to start charging. The charging socket has complete electrical protection and can monitor the charging coupler connection status. In case of power outages, the charging process continues automatically once the power supply is reestablished. The charging station fulfils all electromagnetic compatibility requirements and is compliant with the IEC 61851 standard.

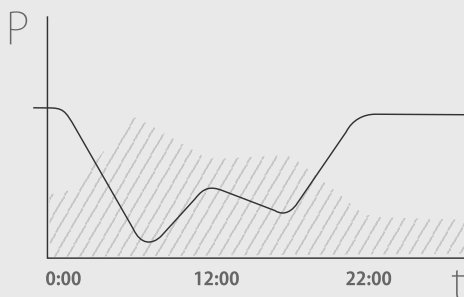
Scheduled mode

Fast charging mode



SCHEDULED CHARGING MODE CUSTOMISABLE VIA APP.

STATUS AND SETTINGS FROM THE
COMFORT OF YOUR COUCH.



smart charging mgmt

average hourly network load distribution



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