

ETREL

INCH
HOME

LAYING GROUNDS
FOR A LASTING
E-MOBILITY

ELECTRIC CARS ARE NOT ECO-FRIENDLY*

*by themselves. They could however contribute enormously to the grid efficiency. This is where we step in. Instead of seeing them as a problem, we see them as a solution for the energy grid.

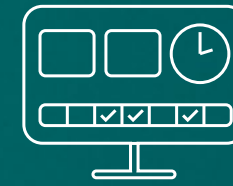
Interactive charging technology

Etrek charging equipment runs on an interactive charging platform. Interactive charging technology maintains a balance between vehicle, building and grid demands.

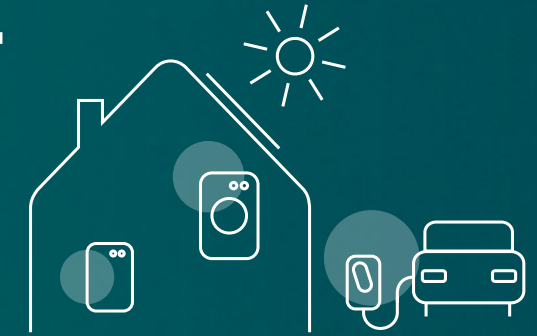
Within the platform, a set of guiding principles enabled by artificial intelligence and system communication capabilities offer the fastest eco-friendly charging in given circumstances without grid connection point overloads.

Interactive charging layers

1 INTERACTION WITH THE USER



2 INTERACTION WITH THE BUILDING

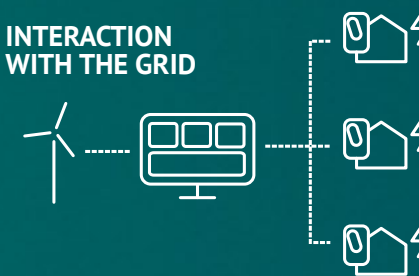


Learn more about interactive charging and our effort to make e-mobility great on www.etrck.com

3 INTERACTION WITH OTHER CHARGING STATIONS



4 INTERACTION WITH THE GRID



5 INTERACTION ON A GLOBAL SCALE

Join us on a mission to create a sustainable future where EV batteries become an essential part of smart grid infrastructure.



INCH HOME



Interactive charging - it is all about efficiency.

INCH Home charger is easily the smartest device in your home. It can remember and predict EV charging habits and help you charge your vehicle by the time you need it, at the lowest possible cost.

When coupled with the Load Guard sensor, the charger can adjust charging power to other consumers to prevent overloads. Easy integration with local power generation, such as rooftop solar panels offers eco-friendly fast charging. With several connectivity options and open protocol support, the charger can seamlessly integrate with a smart home system.

- Load management algorithms allow safe integration on almost any location without costly upgrades and easy integration with existing PV infrastructure.
- Charging profiles based on use patterns and priority tariffs ensure smooth and cost efficient charging experience in daily interactions.
- Unique magnetic cable holder allows EV drivers to handle and store the charging cable faster and cleaner.

USE CASES

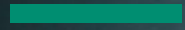
	Home	Apartment buildings	Commercial buildings	Hospitality	Car Parks	Municipalities
INCH Home	●	●	●			

Max charging power	7,4 kW (1 x 32 A), 22 kW (3 x 32 A) adjustable
Level of protection	*Type 2 socket (optional shutter) with cable lock Type 2 tethered charging cable
Electrical protection	*RCD type A + DC fault current sensors 6 mA or RCD Type B or RCD Type B+ (high immunity) and MCB char. C
User identification	PIN code, app*, SMS*
Communication	Ethernet, PLC, Wi-Fi
EV communication	IEC 61851 supported, IEC 15118 ready
Connectivity	OCPP 1.6 JSON, OCPP 2.0 JSON (upcoming), Modbus TCP
Load balancing	Yes, Dynamic Load Balancing with Load Guard
Clustering	Small cluster of 2 chargers
Energy meter	Class 2 energy meter, MID optional
Smart building integration	Yes, Modbus TCP
User interface	App* or embedded web interface
Material	Aluminium housing, Polycarbonate Lexan cover plate
Colour options	White, Graphite Grey

* when connected with a back-end system



INCH HOME



ETREL provides building blocks for a diverse range of e-mobility ecosystems. INCH interactive charging stations combined with OCEAN charging management software, can serve as a backbone of any e-mobility business.

40+

Countries

Etre solutions are in use in more than 40 countries all over the world.



Scan the code and visit www.etrrel.com to learn more about our company.



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