Landis+Gyr

INCH CORE

Max charging power	7,4 kW (1 x 32 A), 22 kW (3 x 32 A) adjustable
Charging outlet type	Type 2 socket or Type 2 tethered charging cable
Electrical protection	DC fault current sensors 6 mA (default) PEN protection (UK edition), Other protection installed externally upstream
User identification	Smartphone App, RFID
Connectivity	Bluetooth & WIFI Sub1GHz
EV communication	IEC 61851
Local communication protocols, Smart building integration	MQTT, OCP, Modbus TCP for integration with external metering
Cloud Connection	OCPP (1.6 starting version)
Dynamic Load Management	Yes, with Load Guard
Load Clustering	As a follower only (requires an additional main unit)
Energy meter	Embedded class 2 energy meter
Connection to external meters	Possible connection with an external MID via RS485 port on the charger
User interfaces	LED signs, app, button
Material	Polycarbonate reinforced with glass fibers, TPE for sealings
Colour	Light gray (RAL 7001)

A compact and powerful solution designed to transform the home charging experience.

This state-of-the-art device builds on INCH legacy and promise of smart and grid friendly charging. It combines sleek design with advanced technology, providing efficient and convenient charging for any electric vehicle. With user-friendly interfaces and compatibility with various smart building systems, INCH Core easily becomes EV driver's best friend.

Underneath its distinct exterior, INCH Core houses an array of advanced technologies that extend beyond simple domestic charging. Equipped with IoT-based communication technologies and support for integration protocols INCH Core provides seamless integration with smart buildings and PV ecosystems, effortlessly adapting to the increasingly connected and decentralised environment.

The self-guiding design makes the installation process fast and simple. Installers can rely on the mobile app, which offers an active guide throughout the installation, ensuring every step is completed accurately.

Modular build provides flexibility at the time of sale, optimised stock-keeping and expansion as the business evolves. It also contributes to simplified maintenance and repair processes, extending product lifespan. With robust internal construction and superior engineering, you can trust that the INCH Core will stand the test of time.

Load Guard Core is a smart sensor that provides real-time consumption data from the grid connection point to the INCH Core charger for Dynamic Load Management. Using own measurements or acting as a Smart Meter gateway, Load Guard ensures EV Charging power will never exceed the local limits.

Sub1GHz wireless communication technology provides a reliable data transmission to the charger over long distance and concrete walls, while energy harvesting capability allows hassle-free installation.

The INCH Core app provides EV drivers with a convenient remote control. From hands-free authorisation to micro setup; the app packs an array of features for drivers to explore and tailor to their needs. Additionally, the app provides proofing and checking functionalities, allowing installers to verify the installation and connections, reducing the risk of errors and a smooth handover to the new owner.