

Max charging power	7.4 kW (1 x 32 A), 22 kW (3 x 32 A) – adjustable
Charging outlet type	Type 2 socket (optional shutter) with a cable lock or Type 2 tethered charging cable
Level of protection	IP 56, IK 10
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 Sub-1 GHz (for connection with Load Guard)
EV communication	IEC 61851
Local communication protocols, Smart building integration	MQTT, OCPP, Modbus RTU for integration with external metering
Cloud Connection	OCPP (1.6 version)
Dynamic Load Management	Yes, with Load Guard
Energy meter	Yes, MID optional
Connection to external meters	Possible connection with an external MID meter via RS 485 port on the charger
User interfaces	LED signs, app, button
Operation temperature, humidity, max altitude	-25°C to +65°C, up to 95% relative humidity, 2000m
Dimensions (main unit + output socket shutter)	25.7x41.3x12cm (can vary based on config.)
Weight	3.4 to 7 kg depending on the configuration and cable length
Material	Polycarbonate, 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 an 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.

The INCH Core app provides EV drivers with a convenient remote control. From hands-free authorization 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 ensuring a smooth handover to the new owner.

