

	INCH DUO	INCH DUO + Payter
Max charging power	2 x 22 kW (3 x 32 A per connector) adjustable 2 x Type 2 socket with a cable lock	
Level of protection	IP 54, IK 10	
Electrical protection	DC fault current sensor 6 mA + RCD type A or RCD Type A EV or RCD Type B, MCB char. C, 40 A	
User identification	PIN code, RFID, App*, SMS*	PIN code, RFID, Credit card, App*, SMS*
Contactless payment		Yes, with NFC payment terminal
Communication	Ethernet, Wi-Fi, 4G LTE	
EV communication	IEC 61851 supported	
Connectivity	OCPP 1.6 SOAP & JSON, Modbus TCP	
Dynamic Load balancing	Yes	
Clustering	Up to 36 connectors, expandable**	
Energy meter	Class 1 MID energy meter	
Smart building integration	Yes, Modbus TCP supported	
User interface	App* or embedded web interface	
Demand response capabilities	Frequency control, Di-Do, 240-12V optional	
Material	Stainless steel with anti-corrosion protection	
Colour options	Grey, White	

**Depending on characteristics of charging site.

*When connected to a charge point management system.



Contactless but completely connected

INCH DUO is a durable charger, ready for continuous operation in demanding public locations.

Ergonomic design and a large display with straightforward charging instructions combined with ad hoc payment options offer convenience for new users. OCPP compliance allows immediate integration in any charge point management system. Several energy management options native to the INCH platform ensure a stable operation with minimum strain on the local grid. Accepting digital signals through the power lines and frequency monitoring make INCH chargers capable of autonomously responding to grid conditions – managing the charging power and thus impact on the electric grid. Light and sounds enable the user to adopt a preferred method of charger interaction for immediate convenience.

Advanced load management algorithms ensure safe installation on almost any location without costly grid connection point upgrades. Coupled with the Load Guard sensor or connected to the building energy management system, chargers utilise dynamic load management algorithms to adjust charging power to other buildings' consumers and prevent overloads. When connected in a cluster with limited available charging power, the power is distributed intelligently among all chargers, based on EV characteristics and priorities.

Expand Your Services, Dive Into The Ocean

Etreil OCEAN, an EV charging and energy management platform, offers an end-to-end solution for any company aiming to provide excellent charging services to EV drivers or optimise its charging infrastructure management. Coupled with INCH chargers, you have an out-of-the-box seamless solution for a sustainable e-mobility business

Extended clustering capabilities with mixed clusters

"Mix & Match" cluster option allows a combination of different INCH chargers in a single cluster for autonomous operation or a cluster installation with non-Etreil chargers for cost-efficient payment clusters. Extended clustering capabilities give operators planning flexibility on complex locations or with various use cases.

More dimensions to experience

A large LCD touch screen provides ample space for user communication. The user interface is designed to inform through the use of colour, signage and sound, making it easier and more intuitive to navigate for new and regular users alike.

Contactless payment module

A contactless payment module allows faster ad-hoc use without registration, thus enhancing user convenience. In a cluster of chargers, the master station can serve as a payment terminal for the whole group, further reducing operational costs of charging infrastructure.

Advertising and branding

Large flat surfaces of charger housing offer ample space for branding and visibility, while an on-screen advertising option allows direct communication with the user.

Easy installation& maintenance

INCH's powerful web interface is readily available with every individual charger and allows safe and convenient management of small charging clusters as well as setting up local advertising.

