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INCH Duo   INCH Duo + Payment terminal

	INCH Duo	INCH Duo + Payment terminal
Max charging power	2 x 22 kW (3 x 32 A per connector)	
Charging outlet type	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 /RCD type B/MCB char. C, 40 A	
User identification	PIN code, RFID, App*, QR code	PIN code, RFID, Credit card, App*, QR code
Contactless payment		Yes, with different payment terminals (e.g. Payter P66, Apollo, CCV IM15 Edge)
Communication	Ethernet, 4G LTE	Ethernet, 4G LTE
EV communication	IEC 61851, ISO 15118 HW ready	
Connectivity	OCPP 1.6 JSON, Modbus TCP, OCPP 2.0.1 partially supported	
Dynamic Load balancing	Yes	
Clustering	Up to 36 connectors, expandable**	
Energy meter	MID	
Smart building integration (BEM)	Yes, Modbus TCP	
User interfaces	App* or embedded web interface	
Demand response capabilities	Frequency control, Di-Do, 240-12V optional	
Dimensions	134.3 x 31.2 x 20 cm	
Weight	38 kg (depending on configuration)	
Operating temperature, humidity, altitude	-25°C to +65°C, up to 95% relative humidity, 2000m	
Material	Stainless steel with anti-corrosion protection	
Colour options	Grey, White	

*When connected to a charge point management system.
**Depending on characteristics of charging site.

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Contactless but completely connected.

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

Ergonomic design and a large LCD display with clear charging instructions, combined with ad hoc payment options, offer unmatched convenience for EV drivers. Operators can add, remove, swap, or upgrade terminals anytime thanks to INCH Duo's modular design, with a housing that adapts as needs evolve. Built tough (IP54 & IK10) and easy to install, it ensures lasting reliability and smooth setup every time.

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.

Built for today, ready for tomorrow

INCH Duo brings tomorrow's charging standards to your network today. With factory-tested ISO 15118 hardware, it's ready for Plug & Charge, smart charging, and V2G, without the need for costly retrofits. OCPP compliance allows immediate integration in any charge point management system. The upgraded INCH Duo features partial OCPP 2.0.1 support that ensures reliable interoperability now and the freedom to evolve later.

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-Etrel chargers for cost-efficient payment clusters. Extended clustering capabilities give operators planning flexibility on complex locations or with various use cases.

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Contactless payment module

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. Modular by design, INCH Duo allows adding, swapping, removing, or upgrading payment terminals anytime, adapting the station to evolving business needs.

Easy installation & maintenance

A wide-opening service door provides easy access to a charger service area. Modularly combined components allow a fast switch to shorten the field maintenance time, while individual components can be tested and exchanged later at the service workshop.

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.

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