Landis+Gyr

INCH PRO

Max charging power	7.4 kW (1 x 32 A), 22 kW (3 x 32 A)
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) + RCD Type A/RCD type B/MCB char. C
User identification	PIN code, QR code, RFID, App*
Communication	Ethernet, Wi-Fi or 4G LTE
EV communication	IEC 61851
Connectivity	OCPP 1.6 SOAP & JSON, Modbus TCP
Dynamic Load balancing	Yes
Clustering	Up to 36 connectors, expandable**
Energy meter	Yes, MID optional
Smart building integration (BEM)	Modbus TCP, custom smart meter integration
User interfaces	LCD Screen, embedded web interface My INCH, App*
Demand response capabilities	Frequency control, digital inputs 12V DC signal optional, OCPP
Dimensions (main unit + output socket shutter)	45x27x17.5 cm
Weight	8.2 kg
Operating temperature, humidity, altitude	-25°C to +65°C, up to 95% relative humidity, 2000m
Material	Aluminium housing, Polycarbonate Lexan cover plate
Colour options	Graphite Grey, White optional

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

Outstanding user experience in harmony with the grid.

INCH Pro chargers enable charge point operators to serve a large number of EVs, even in locations with limited power supply. INCH works with two priorities in mind – to enable the best user experience and reduce operating costs, dynamically balancing charging power for more energy-efficient charging.

INCH can remember and predict known users' charging habits by creating charging profiles from use patterns and energy tariffs, ensuring a smooth and cost-efficient charging experience. Unique magnetic cable holder allows EV drivers to handle and store the charging cable faster. A touch LCD screen, indicator 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.

The durable enclosure of the INCH Pro charging station is built to withstand the harshest weather conditions while allowing the business to stand out with the design.

Large Cluster Solution

Local load management ensures stable operation regardless of an external connection. Large Cluster Solution INCH chargers seamlessly operate in large installations, such as residential buildings or fleet car parks within the grid connection point limitation.

Refurbishment

We are helping our partners keep their assets up-to-date and at top performance by taking used Landis+Gyr chargers, making them up-to-date, substantially extending their lifespan and reducing their environmental impact.