

Max charging power	7.4 kW (32 A)
Connector	SAE J1772
UL	UL 2594 CSA C22.2 No. 280:22
Level of protection	IK 10, NEMA 4
Electrical protection	RCD type A + DC fault current sensors 6 mA (default), RCD Type B or MCB char. C (optional)
User identification	PIN code, QR Code, RFID, App*
Communication	Ethernet
EV communication	IEC 61851
Connectivity	OCPP 1.6 SOAP & JSON, Modbus TCP
Dynamic Load balancing	Yes
Clustering	Up to 36 connectors, expandable**
Metering Accuracy	± 2%
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
Material	Aluminum housing, Polycarbonate Lexan cover plate
Color 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.

A 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 a building energy management system, chargers utilize 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 BEMS 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.

