ZAPTEC PRO

Zaptec Pro is an intelligent EV charging solution designed for shared, commercial and industrial installations. Its scalable architecture enables the creation of charging networks ranging from just a few parking spaces to large infrastructures with hundreds of chargers, optimising the use of available energy.

Zaptec Pro

Zaptec Pro Placa de montaje

Zaptec Pro - Cubierta tapa trasera

Zaptec Pro

Zaptec Pro

Charging system designed to grow

Zaptec Pro is an intelligent EV charging solution designed for installations where a single charging point is not enough. It is ideal for residential communities, shared parking areas, businesses, fleets, public car parks, hotels, offices and new residential developments.

It is not just a charger, but a **complete charging infrastructure**, built to manage multiple users efficiently, safely and with full scalability.

True scalability for large installations

One of the key advantages of Zaptec Pro is its ability to grow with the installation. It allows you to start with just a few charging points and gradually expand the network as demand increases, without redesigning the electrical infrastructure.

This enables investment to match real needs, avoiding unnecessary upfront costs while supporting long-term development.

It is the ideal solution for projects that evolve over time, from small initial setups to networks with **hundreds or even more than 1000 chargers**.

Flexible installation with backplate system

Zaptec Pro uses an independent **backplate system**, allowing the electrical installation to be completed first and chargers added later as needed.

This reduces initial costs and ensures fast, scalable expansion without major electrical work.

Dynamic load and phase balancing

The system automatically distributes available energy between all connected chargers, adjusting power in real time to maximize efficiency.

It can also dynamically switch between **single-phase and three-phase charging**, enabling more chargers to be installed on the same line.

Future-ready connected charging network

All chargers operate as part of a smart connected network, allowing communication between devices and optimized energy management.

This makes Zaptec Pro a future-proof solution for evolving EV infrastructure projects.

Integrated protection for safe installations

Zaptec Pro includes **integrated fuses** and **Type B residual current protection**, with automatic self-testing before each charging cycle.

This enhances safety, simplifies installation and reduces the need for additional external protections.

Accurate energy metering and cost allocation

The system includes **MID-certified energy metering**, enabling precise consumption tracking and cost distribution in shared installations.

Centralised management via Zaptec Portal

Through the **Zaptec Portal**, installers and operators can monitor status, manage users, view charging history and perform remote updates.

Built for professional environments

Zaptec Pro supports wall or column mounting, indoor and outdoor installation, and advanced connectivity via **4G LTE-M, Wi-Fi and PLC**.

Installation process

See how the installation works from backplate to final charger:

Interactive demo

Discover how the system behaves under different configurations:

View interactive demo

A future-ready solution

Zaptec Pro combines scalability, efficiency, safety and advanced control in a single solution designed for evolving EV charging infrastructures.

SPECIFICATIONS

Technical specifications	
Nominal voltage	TN, IT and TT 230 V AC ± 10 % 400 V AC ± 10 %
Charging power	22 kW at 32 A / three-phase (TN networks only)* 12.7 kW at 32 A / three-phase (IT networks)* 7.4 kW at 32 A / single-phase (IT/TN networks)*
Maximum current	32 A per phase
Frequency	50 / 60 Hz
Installation circuit	Series fuse max. 63 A in the installation circuit for charging stations.
Fuses	Integrated; 3 x 40 A type C fuses
Earth fault protection	Integrated Type B RCD Self-test and calibration before each charging cycle Automatic reset when unplugging the charging connector
Electrical protection	Protection class I Overvoltage category III
Backplate connection box	Cable cross-section 2.5 – 10 mm² Cable diameter 10 – 20 mm
Load balancing	Available power is automatically distributed between all Zaptec Pro chargers and phases.
Phase balancing	The charger dynamically selects single-phase or three-phase connection depending on available power.
Communication	4G LTE-M Wi-Fi 2.4 GHz, IEEE 802.11 b/g/n (channels 1–11) Powerline (PLC) – HomePlug Green PHY®, 10 Mbps
Identification and configuration	Bluetooth Low Energy (BLE 4.1) RFID/NFC reader – Mifare Classic, type A Plug & Charge – Hardware support for ISO 15118 RGBW LED ring status indicator
Standby consumption	3 W standby
Energy metering	MID class B tested and calibrated (EN 50470)
Environmental specifications	
Operating temperature	From -30 °C to +40 °C
Protection rating	IP54, indoor and outdoor use Impact protection IK10 UL94 5VB flammability rating UV resistant
Mechanical specifications	
Dimensions	H: 392 x W: 258 x D: 112 mm
Weight	~ 5 kg (including backplate)
Cable length	No cable, Type 2 socket
Charging socket	IEC 62196-2 Type 2, with integrated auto-closing cover User can permanently lock the connector
Anti-theft protection	The front cover can only be opened with a special tool The charging cable can be permanently locked
Compliance	
Standards and applications	CE compliance according to Radio Equipment Directive 2014/53/EU RoHS 2011/65/EU IEC 61851-1 (TÜV SÜD) IEC 61851-21-2
Available software interfaces	
Zaptec App Zaptec Portal (centralised management) Third-party integration (API, Webhooks) OCPP 1.6J	

* 32 A is available but may be limited by vehicle battery status and temperature conditions.