
# Zaptec Pro

The Zaptec is a Smart and efficient charging station for large company, development project and residential parking lots. With its unique dynamic phase balancing, this device is perfect for installation at limited network capacity. It is currently the smartest and most flexible charging station on the market. The device is double insulated and double sealed ensuring a long lifespan. Communication either happens via Wi-Fi, power line or 4G.

The 4G-network has the benefit of lowering the installation cost due to the fact that there is no need for other network solution. The charging station supports Plug & Charge (ISO15118) to enable a much quicker charging experience in the future, when EV's will be able to communicate directly with the charging station. Truly future-proof!

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# Easily charged.

### Use all of the available network capacity

The available power is dynamically distributed to all the charging stations and between phases. Zaptec always executes the load and phase balancing. The charging station dynamically switches between single phase and three-phase charging to obtain the best possible charging experience.

### Highest security standards

With this charging station you can rest assured that you can safely charge one or more electric vehicles. This is due to the certified Type 2 connectors, integrated fuses and its built-in residual flow safety.

### Intelligent and future-proof

The charging device also supports Plug & Charge (ISO15118), State-of-Charge and other cutting-edge technology that make it possible for us to lift the charging experience to the highest level. Use of advanced tech, built-in software and Cloud solutions for the configuration and monitoring of the device mean that this charging station is truly future-proof.

### Possibility to expand

Upon installing Zaptec, it is possible to roll out the basic infrastructure for the whole parking lot. If the demand for more charging stations starts increases, it's possible to add more charging stations very easily and efficiently, without much effort or large investment.

### Dividing the costs fairly

A built-in energy meter indicates the consumption meticulously. This enables the device to assign the energy consumption to the individual users or to the individual charging stations. You may choose to make use of our optional Online Platform or one of our other optional services regarding billing, management and support.

# Technical sheet

The Zaptec Pro is a AC charging station with a wall or column fixture in accordance with IEC 61851-1, EVSE mode 3.

**Dimensions and weight**

H: 392 mm, W: 258 mm, D: 112 mm

Weight: circa 5 kg (inclusive backplate)

**Installation circuit**

Connected fuse of max. 63A on the installation circuit for charging stations.

**Backplate fixture**

Wire diameter 2,4 – 10 mm2

Cable diameter 10 – 20 mm

**Installation network & Voltage**

TN, IT and TT 230 VAC ±10% 400 VAC ±10%

Max. current and charging power

7,36 kW* at 32A / 1-phase

22 kW* at 32A / 3-phase (only applicable to TN-networks)

5 W on stand-by

**Fuses**

Built-in 3 x 40A fuses Type C

**Charging connection**

IEC 62196-2 Type 2 female with integrated self-locking mechanism

**Earth-leakage safety**

Built-in RCD type B

Before every charge cycle the device performs a calibration and a self-test. The RCD resets automatically when disconnecting the connecter

**Soft start**

Limits the inrush current at the start of a charging session.

**Integrated power meter**

MID tested and calibrated

**Theft prevention**

The front cover of the Zaptec Pro can only be opened with device-specific tools. The charging cable can also be locked onto the device permanently.

**Phase balancing**

The charging station dynamically selects either single phase or three phase in a network with other Zaptec Pro devices, depending on the available power capacity.

**Load balancing**

The available power capacity and phases are distributed automatically between the Zaptec Pro devices within the network.

**Communication interface and Cloud network**

4G LTE-M1 (subscription required)

Wifi 2,4 GHz, IEEE 802,11 b/g/n (channels 1-11)

Powerline PLC – HomePlug Green PHY®,10 Mbit/s

**Identification en configuration**

Bluetooth Low Energy (BLE 4.1)

RFID/NFC-reader, Mifare Classic, Type A

**Norms and regulations**

CE-naleving overeenkomstig de richtlijn voor radioapparatuur

2014/53/EU en ROHS Richtlijn 2011/65/EU en naleving van IEC 61851-1 (TUV SÜD) en IEC 61851-22

**Temperature reach**

From -30 °C to +50 °C

**Housing class**

IP54, indoor and outdoor use.

IK10 shock resistance

UL94 - 5VB flammability class

UV resistant

**Electric security**

Protection class II (4 kV AC en 6 kV impulse, insulation)

Overvoltage class III (4 kV)

**Integration services**

3rd part integration options (API, Webhooks)

OCPP 1.6J

Subscription on messaging

*32A available, but this can be limited by the condition of the battery of the vehicle and the rise in temperature of the charging station during a charging session

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