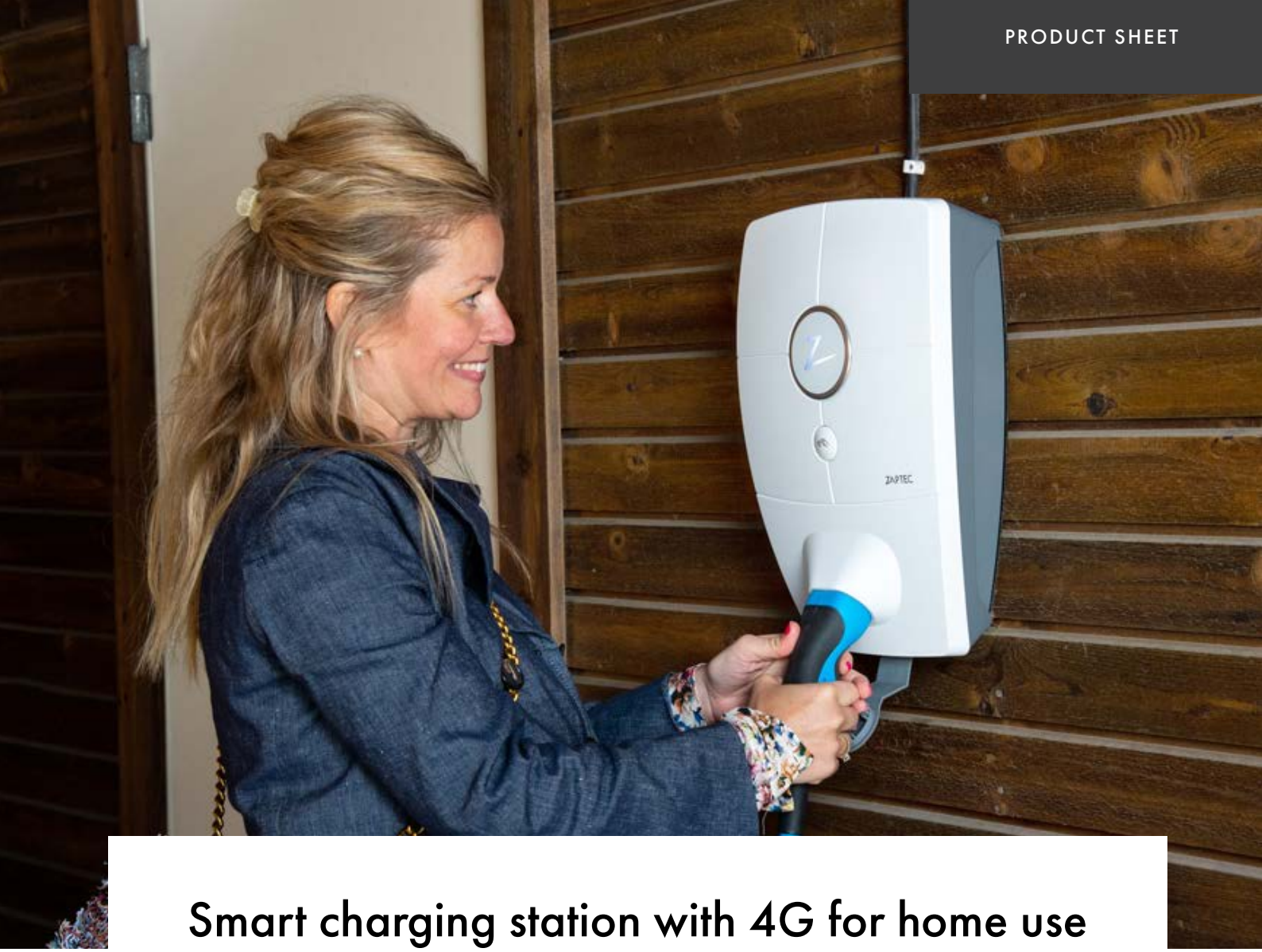


Smart charging station with 4G for home use

Always online with 4G
ZAPTEC Home is supplied with integrated 4G connectivity, ensuring that the charging station is always online at home.

Smart charging at home
Of course, you would prefer to charge at home. At home, you have the freedom to charge when it suits you.

Safety for you and your family
Charging using ordinary power sockets can cause dangerous situations such as fires and electric shocks. ZAPTEC Home allows for completely safe charging using the recommended type 2 station with integrated residual-current circuit breaker.

Suitable for all types of electric cars
By choosing ZAPTEC Home, you will not need to change charging station the next time you change your electric car.

Rapid charging
With an output of 22kW, you can charge your electric car for a range of 100 kilometers in just one hour.

Easy to expand to three charging stations
With ZAPTEC Home, you can easily expand to up to three charging points sharing the power.

Safe investment
An investment in a private charging station is an investment in the value of your property.

ZAPTEC

Technical specifications - ZAPTEC Home

ZAPTEC Home is an alternating current wall or column charging station in accordance with IEC 61851-1, EVSE mode 3.

Dimensions and weight
H: 392 mm. W: 258 mm, D: 112 mm
Weight: approximately 5 kg (including backplate)

Installation circuit
Each charging station must be protected by an individual circuit breaker with a maximum rating of 40A. The load-balancing functionality supports up to three charging stations in one system.

Backplate connection box
Cable cross-section 2.5-10 mm²
Cable diameter 10-20 mm²

Installation network
TN, IT and TT

Installation network, Voltages
230VAC ±10% 400VAC ±10%

Max. current and charging output
7.36kW* at 32A/1-phase
22kW* at 32A/3-phase (applicable to TN networks only)
*output is controlled by how many devices are charging and may depend on the internal temperature of the charging station.

Charging connector
IEC 62196-2 Type 2 female, silver-plated for durability

Earth fault protection
Built-in RCD type B
Calibration and self-testing are performed before the start of each charging cycle. The earth fault protection is automatically reset when the charging cable is disconnected.

Integrated Power Meter
Integrated in the charging station with an accuracy of +/- 1% for power and voltage. This allows the user to monitor and verify the actual power consumption.

Theft protection
The front cover can only be opened using the Smart Key. The charging cable can be permanently locked to the charging station.

Load balancing
The available power in the installation is automatically distributed between up to three charging stations.

Phase balancing
Depending on installation and vehicle type, the charging station can switch between 1-phase and 3-phase charging station mode. If two or three charging stations are used, the phase usage will be coordinated in the optimal manner.

Avoid uneven load - When the charging station operates in 1-phase mode, it can dynamically select which of the three phases to use for charging. The charging station can also be programmed to use a specific phase if required.

Communication interface and cloud connection/network
4G LTE-M1 (subscription required)
Wi-Fi 2.4 GHz, IEEE 802.11 b/g/n (channels 1-11)

Identification and configuration
Bluetooth Low Energy (BLE 4.1)
RFID/NFC reader

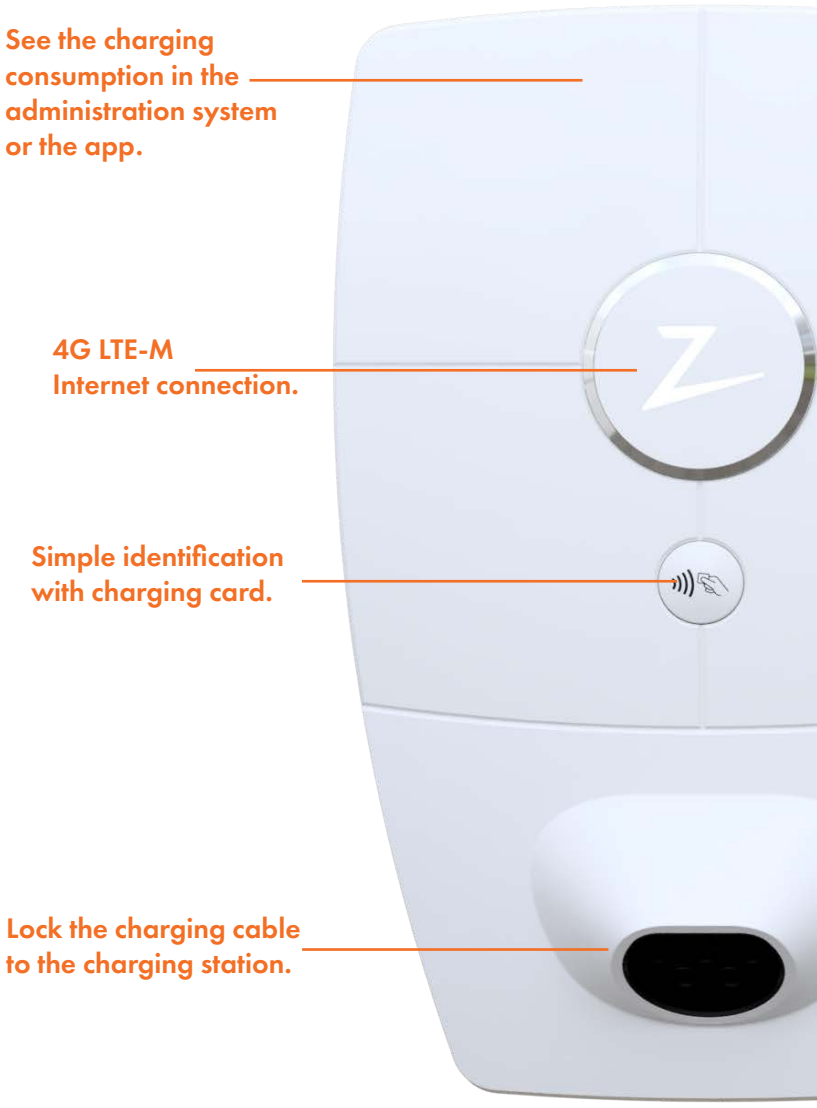
Standards and approvals
CE conformity in accordance with the Radio Equipment Directive 2014/53/EU and ROHS Directive 2011/65/EU.
Conforms with IEC 61851-1 and IEC 61851-22

Temperature range
-30°C to +50°C

Degree of protection
IP54, indoor and outdoor use
IK10 shock protection
UL94 5VB fire class
UV-resistant

Electrical protection
Protection class II (4kV AC and 6kV impulse, isolation)
Overvoltage category III (4kV) The power inlet/main inlet/ panel should be equipped with overvoltage protection.

Transition box/fuse box
The charging point must be protected against overvoltage.



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