CTEK

SAFE AND COMPLETE CHARGING SOLUTIONS FOR ELECTRIC VEHICLES

EUROPE

CHARGESTORM® CONNECTED 3

CHARGESTORM® CONNECTED 3 combines today's smart charging with the technology needed for tomorrow's EV energy ecosystem. It's the latest update in our award winning CHARGESTORM® CONNECTED series, designed for easy installation and enhanced control.

EV CHARGING REDEFINED

The CC3, our latest model, is versatile with options for dual or single outlets, with or without fixed cables, all offering up to 22kW of charging power. Designed for 'Plug & Charge', it's cyber-secure and physically tamper-proof. With built-in WiFi, it manages back-end connection and load balancing for efficient EV charging. CC3 connects via an optional 4G-modem when no WiFi is available and uses dual Ethernet ports for easier installation. CC3 is compatible with various third-party backend systems by OCPP and prepared for V2G and V2X technologies.

INSTALLATION MADE SIMPLE

CC3 is tailored for both users and installers. As a standout in our CHARGESTORM® CONNECTED series, it's engineered for effortless installation and user experience. Ideal for diverse installation settings, including B2B environments and destination charging locations, it features efficient punch-out holes for a seamless setup. Dual Ethernet ports allows for speedy and straightforward cabling. Additionally, CC3 offers free training for installers and adheres to international standards.

- Up to 2x22 kW charging capacity, with dual or single outlets
- Built-in WiFi for easier installation, wireless load balancing and online support
- Ready for the 'Plug & Charge' standard EV drivers want when using public charging
- Daisy chain power and network cabling for easier, quicker and cheaper multi-outlet installations
- Prepared for ISO 15118 and OCPP 2.0.1 – the industry's newest open communication standards
- Adaptable for diverse applications
- Variety of connectivity options
- 5-year warranty

WALLBOX WITH ONE OUTLET

40-645 Wallbox CC3 22kW

WALLBOX WITH TWO OUTLETS

40-647 Wallbox CC3 22kW

INSTALLATION GUIDE

CHARGESTORM® CONNECTED 2

CHARGESTORM® CONNECTED 2 is an improved and updated version of our advanced EV charger with a range of functions and built in safety features. It has a powerful CCU charge controller, which can handle dual type 2 outlets/charging cables. CHARGESTORM® CONNECTED 2 offers dynamic load balancing support through NANOGRID™ between multiple devices.

OUR MOST ADVANCED EV CHARGER TO DATE FOR ELECTRIC AND PLUGIN HYBRID VEHICLES

CHARGESTORM® CONNECTED 2 is a state of the art EV charger specifically designed to be safe and easy to use. It's ideal for home, business, public parking and tenant-owner housing associations, and it meets all the required technical safety standards. Our EV charger is available in several different power and outlet/charging cable models. An Ethernet cable connects the EV charger to the internet. If Ethernet cannot be used, the unit can also be supplied with an optional 3G/4G modem. Internet connection is required for portal services and app management. We support integration with all major operators in electric car charging.

APP CONTROL VIA TAKING CHARGE APP

This simple and user friendly app allows you to schedule charging, view your history, adjust charging power, manage RFID, manage software updates and adjust the display brightness.

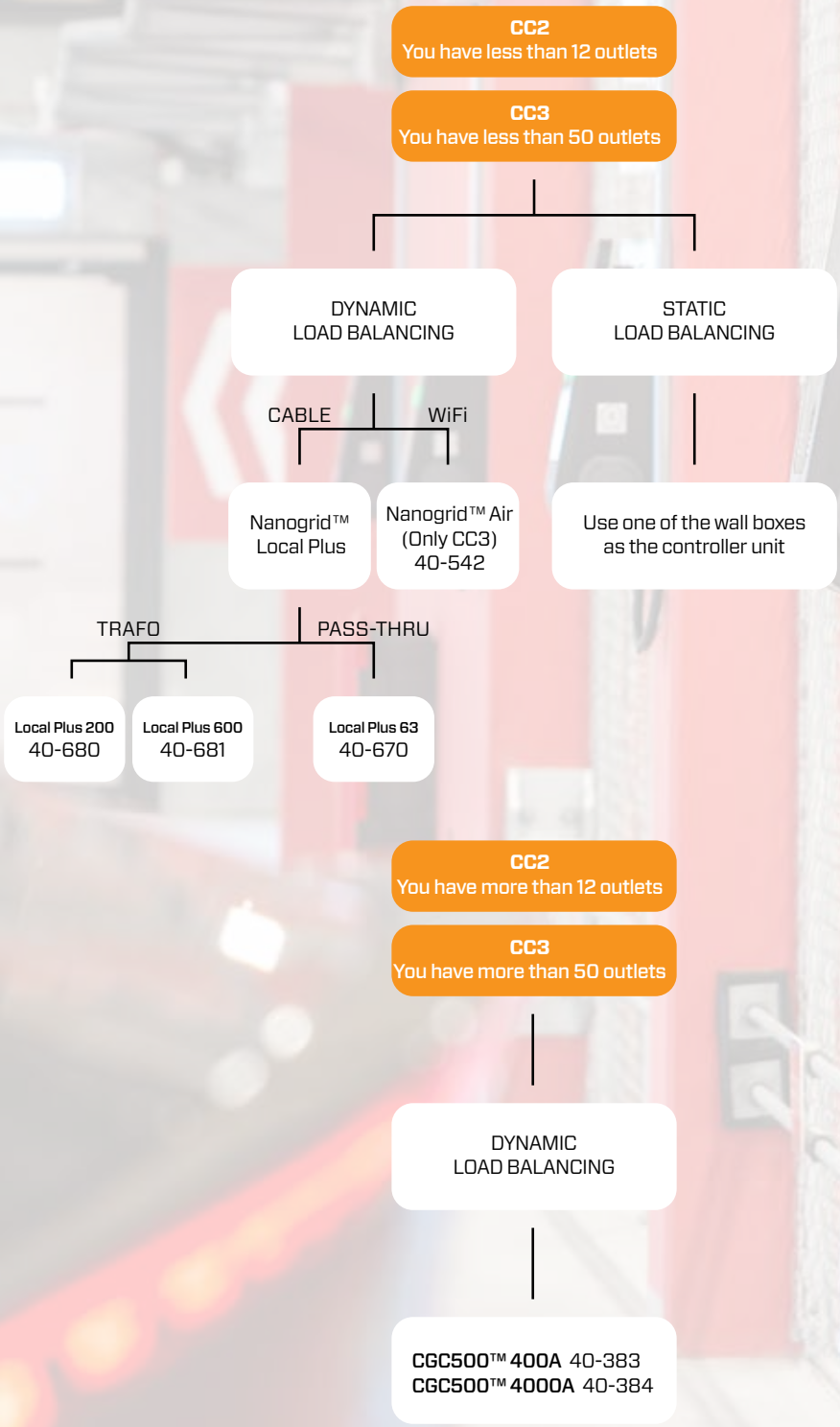
- Adjustable charging power via app or software
- NANOGRID™ dynamic load balancing support
- Built-in fuse, AC and DC ground fault detection, built-in energy meter
- Easy installation and lock protected for maintenance
- Wall or pole mounted
- Ambient operating temperature from
- -30 °C to +50 °C
- RFID reader
- OCPP 1.5/1.6
- IP54 and IK10
- 2-year warranty

WALLBOX WITH ONE OUTLET	
910-17062	Wallbox CC2 7.4kW
910-17050	Wallbox CC2 11kW
910-17028	Wallbox CC2 22kW

WALLBOX WITH TWO OUTLETS	
910-17051	Wallbox CC2 3.7kW
910-17060	Wallbox CC2 22kW

INSTALLATION GUIDE

CHARGESTORM® CONNECTED LOAD BALANCING



NANOGRID™ - LOAD BALANCING

NANOGRID™ AIR

NANOGRID™ AIR will automatically balance your home's energy load safely at any time of day, so you can charge your EV while your appliances still get the power they need. It utilizes your home Wi-Fi network to communicate with your CTEK EV charger, ensuring your main fuse is not tripped when you are charging your EV.

WIRELESS LOAD BALANCING	
❶ 40-542	NANOGRID™ AIR

NANOGRID™ LOCAL PLUS

Our local load balancing is managed directly from the charge control unit into a selected "master device". All devices are connected with ethernet cables to a common switch. The load balancing can then be set as desired and against a given value or main fuse. Our local load balancing works without an internet connection.

LOCAL LOAD BALANCING	
40-670	Local Plus 63 (pass-through)
❷ 40-680	Local Plus 200 DIM 24 mm
40-681	Local Plus 600 DIM 36 mm

NANOGRID™ CTEK GRID CENTRAL (CGC)

With our external CTEK GRID CENTRAL cabinet, the load balancing system can also take other important consumers into account such as lifts, ventilation, lighting, etc. The system keeps track of other consumers via transformer measurement. Our Grid Central is a compact device cabinet that contains a charge control unit, energy meter and transformer measurement equipment.

LOAD BALANCING CENTRAL	
❸ 40-383	CGC500™ 400A
40-384	CGC500™ 4000A

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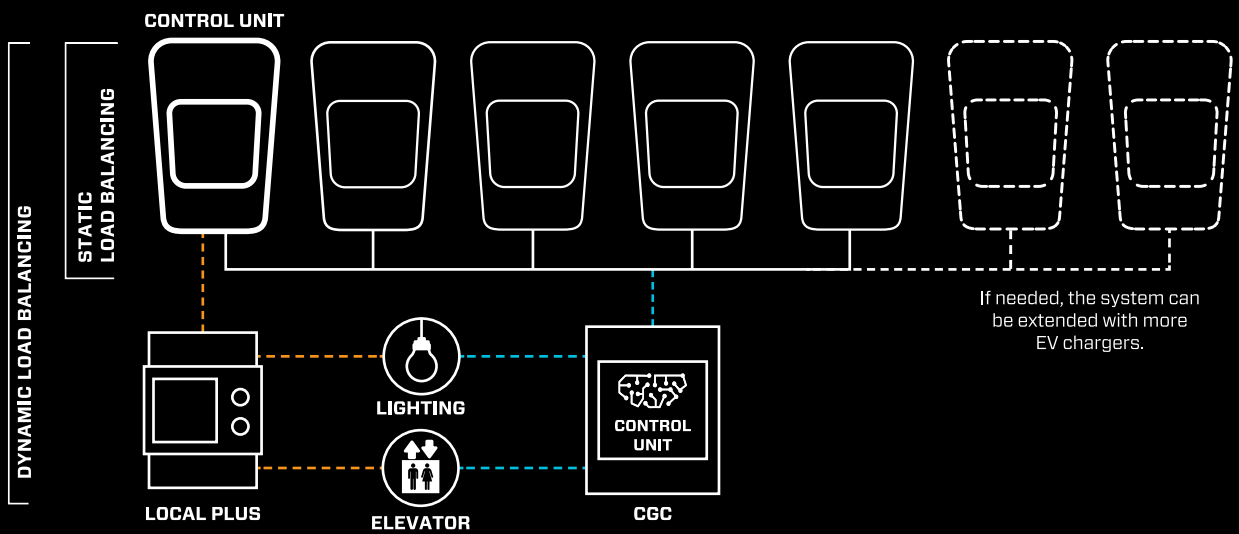

NANOGRID™ – LOCAL PLUS

NANOGRID™ – CTEK GRID CENTRAL

INTEGRATION & RFID

RFID
RFID tags provide a very easy and effective way of controlling who can charge and on which outlet.

INTEGRATION
An Ethernet cable connects the EV charger to the internet. If Ethernet cannot be used, the CHARGESTORM® CONNECTED can also be supplied with an optional 4G modem.

RFID	
820-00120	RFID-Tag, Black

INTEGRATION	
❹ 920-00050	4G Modem CC2
40-628	4G Modem CC3
❺ 820-00114	External 4G Router

The integrated modem can be preinstalled at an additional cost, if specified when ordering.

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❺

MOUNTING AND CONNECTION

CHARGESTORM® CONNECTED can be mounted on a standard 60 mm pole (option) by attaching the mounting plate to the back of the EV charger. If you need to fit dual EV chargers, we also supply a bracket that can handle two EV chargers back to back and up to four charging outlets. The pole bracket also allows you to sew both feed and Ethernet cables directly inside it for a tidy and secure installation.

CC2 MOUNTING PLATE	
922-00019	One wallbox
922-00018	Two wallboxes

CC3 MOUNTING PLATE	
❻ 40-639	One wallbox
❼ 40-640	Two wallboxes

POLE	
445-00016	60mm
820-00102	Concrete base
820-00101	Mounting plate, ground

WALL MOUNT FOR PLUG	
❽ 125-01008	For Type 2 plug

❻

❼

❽

RFID
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NJORD® GO

NJORD® GO is a portable 11kW EV charger (EVSE) that gives you fast, reliable Electric Vehicle (EV) charging at home, or when you're on the move. The charger can be used with the CTEK APP to unlock additional features, for complete charging control and monitoring via your mobile phone.

SMART, EASY TO USE, FULLY PORTABLE

NJORD® GO from CTEK is a durable, lightweight and portable EV charger available with a Type 2 connector, with a charging capacity up to 11kW. It comes with fixed heavy duty 1.5m long mains cable and 5m EV charging cable, so there's no installation necessary – simply plug the unit into your domestic or commercial CEE socket for charging. The charger's user interface clearly indicates charge status. A free to download CTEK APP* gives you total control over charging and charge scheduling directly from your Android or iOS mobile phone.

The NJORD® GO features state of the art natural convection cooling technology, so you can charge at high Power even when the ambient temperature is high

CTEK APP – TAKE CONTROL OF YOUR EV CHARGING

The EV charger can be used with the CTEK APP* to unlock additional features, for complete charging Control and monitoring via your mobile phone.

*Please note some APP features are only available via Bluetooth or Wi-Fi – please see our App table for further details.

- Supplied with wall bracket for safe and easy installation at your parking spot.
- Cost effective Type 2, 16 A/3 Phase (11 kW) EV charger.
- Supports both BEV and PHEV vehicles
- No installation necessary – simply plug the unit into your domestic or commercial CEE socket.
- Small, lightweight and portable unit, for use in multiple locations.
- Durable, impact resistant casing.
- Integrated safety features for your protection and Peace of mind.
- Intuitive user interface with charging status information.
- CTEK APP* gives you control over charging and scheduling via your mobile phone.

CTEK APP FEATURES	WI-FI	BT
START/STOP/PAUSE	X	X
UPDATE CHARGING CURRENT	X	X
FIRMWARE UPDATE	X	
CHARGING SESSION DETAILS	X	X
AUTOSTART TOGGLE	X	X
SCHEDULING	X	X
CHARGING HISTORY	X	

EVSE

40-503 NJORD® GO

WALL MOUNT

40-388 Wall mount NJORD® GO

WIRELESS LOAD BALANCING

40-542 NANOGRID™ AIR

INSTALLATIONS GUIDE

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ABOUT CTEK EVSE

Our mission is to develop and provide the safest electric car charging on the market based on standardised solutions. The charging stations for electric cars and plug-in hybrids are characterised by: safety, dependability, and a simple user interface.

The charging stations feature a modern design, cutting-edge technology, and comprehensive safety specifications. The chargers have both commercial and private applications. The award-winning NanoGrid load balancing system and the cloud-based ChargePortal service have also been tremendously important to the company's success.

Our customers come from diverse industries/niches, such as municipalities, energy companies, housing cooperatives, property owners, corporations, parking companies, and private individuals.

Since the start in 2009, large volumes of electric vehicle data have been registered in the charging portal, generating a broad knowledge base and detailed experience with electric vehicle charging.

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