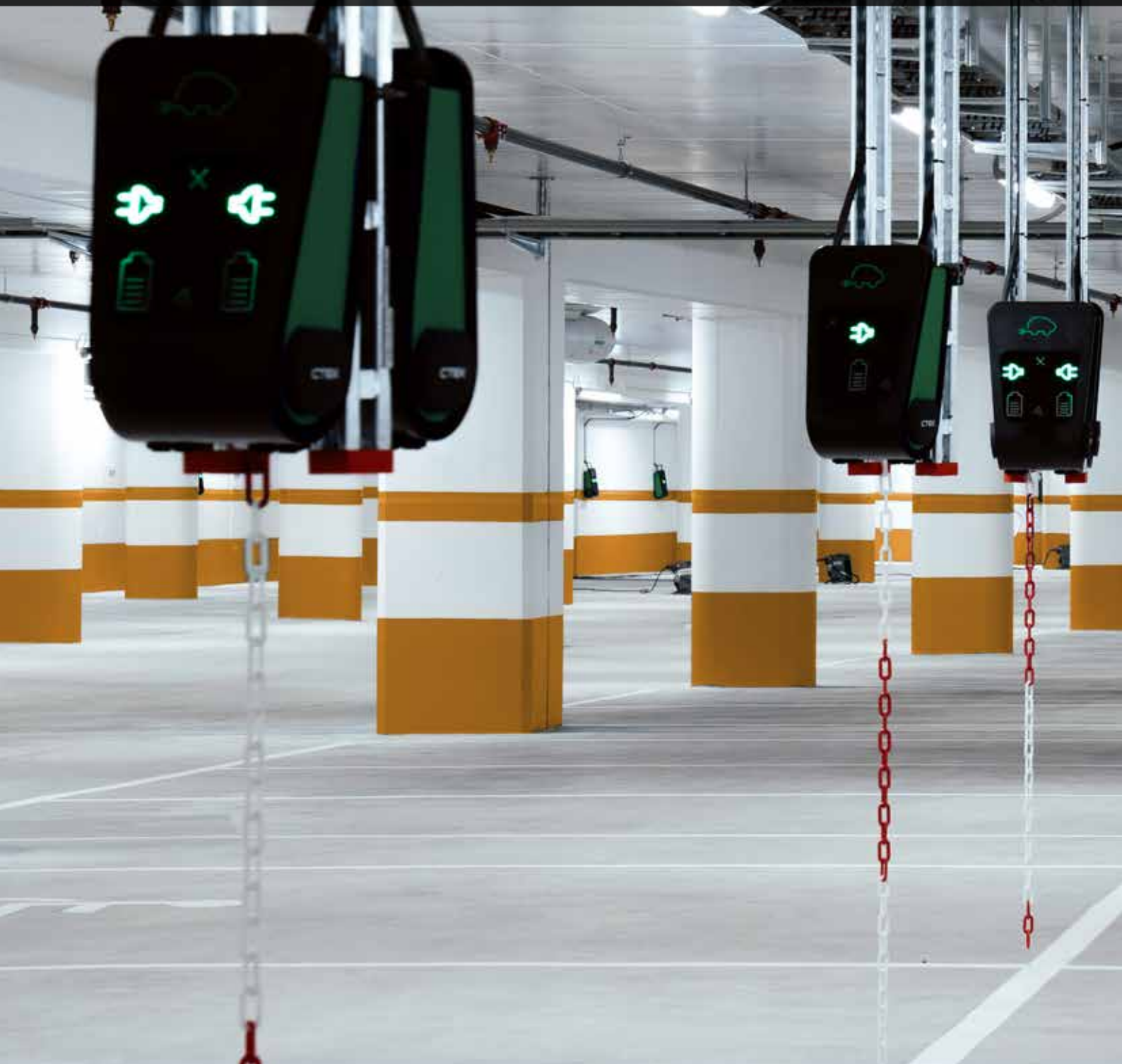


**CTEK**

*CTEK E-MOBILITY*

***SAFE AND COMPLETE  
CHARGING SOLUTIONS  
FOR ELECTRIC VEHICLES***

*UNITED KINGDOM*





*electric*

# 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.

### WALLBOX WITH ONE CABLE

910-17045 Wallbox CC2 3,7kW

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910-17046 Wallbox CC2 7,4kW

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910-17047 Wallbox CC2 11kW

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910-17048 Wallbox CC2 22kW

Alternative cable types can be preinstalled at an additional cost, if specified when ordering.

### WALLBOX WITH ONE OUTLET

910-17049 Wallbox CC2 3,7kW

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910-17062 Wallbox CC2 7,4kW

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910-17050 Wallbox CC2 11kW

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910-17028 Wallbox CC2 22kW

### WALLBOX WITH ONE CABLE & ONE OUTLET

910-17042 Wallbox CC2 3,7kW

Alternative cable types can be preinstalled at an additional cost, if specified when ordering.

## 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 TWO CABLES

910-17040 Wallbox CC2 3,7kW

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910-17091 Wallbox CC2 7,4kW

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910-17086 Wallbox CC2 11kW

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910-17092 Wallbox CC2 22kW

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40-477 Wallbox CC2 7,4kW coiled

Alternative cable types can be preinstalled at an additional cost, if specified when ordering.

### WALLBOX WITH TWO OUTLETS

910-17051 Wallbox CC2 3,7kW

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910-17063 Wallbox CC2 7,4kW

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910-17059 Wallbox CC2 11kW

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910-17060 Wallbox CC2 22kW

### WARRANTY EXTENTION

901-00012 5 year warranty

## CHARGE PORTAL

CHARGE PORTAL gives you complete control of your Electrical Vehicle (EV) charging network. This marketleading, scalable platform will enable simple management and maintenance of your EV charging station network, optimizing the use of charge points across single or multiple sites.

Thanks to a smooth interface and easy login to our connected devices, physical site visits can be minimized. Alarm management, history, software updates, RFID tag management are some of the features that are highly rated by our users. Since our start in 2009, CHARGE PORTAL has handled near 9 million charging sessions, giving us a huge experience and important knowledge about EV charging infrastructure.



### MONITOR

Get a complete overview of your EV charging network, and create customized reports on alarm history, charging information and charging sessions.



### MANAGE

Register and manage EV charging points, users and charging schedules.



### MAINTAIN

Receive error notifications and deploy remote software updates.

## NANOGRID™ - LOAD BALANCING

Electric car load balancing is a vital component of the new infrastructure. It allows charging stations to share available power supply among charging cars, ensuring charge even when the charging station has limited available power supply.

Load balancing provides smart charging, which sets and regulates charging management across charging stations to maximize efficiency while avoiding overload or increasing power supply costs. It guarantees that an electric car in a family, restaurant, or company fleet is prepared for each day's problems in the same way that traditional gasoline and diesel-powered vehicles are.

### NANOGRID™ HOME

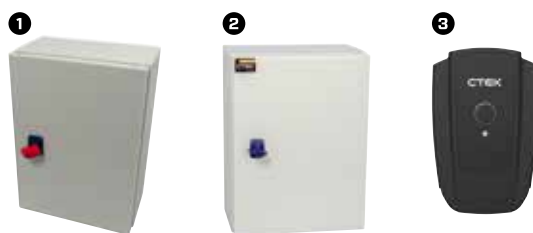
With our popular load balancing for home use, you never have to worry about the main fuse tripping. An additional energy meter is mounted at the incoming mains, which then "talks" via modbus communication to the wallbox. We set the main fuse data into our charge control unit, the charging is then dynamically adjusted and the house always has priority.

### NANOGRID™ LOCAL

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.

### 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.



#### CGC

1	810-00032	CGC100™ 250A
	40-382	CGC500™ 100A
2	40-383	CGC500™ 400A
	40-384	CGC500™ 4000A

#### HOME

	40-466	HOME CC2
3	40-542	NANOGRID™ AIR

#### LICENSE

810-00048	License Local 2
901-00018	License Local 1

#### ETHERNET SWITCH KIT

40-467	Daisy chain ethernet switch kit
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## INTEGRATION & RFID

### INTEGRATION

An Ethernet cable connects the EV charger to the internet. If Ethernet cannot be used, the CHARGESTORM® CONNECTED 2 can also be supplied with an optional 3G/4G modem.

### INTEGRATION

920-00009 Integrated 3G modem

920-00050 Integrated 4G modem

④ 820-00114 External 4G router

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

### RFID

⑤ 820-00120 RFID-Tag black

### RFID

RFID tags provide a very easy and effective way of controlling who can charge and on which outlet. CHARGE PORTAL allows you to manage users and any RFID tags associated with users.



## MOUNTING AND CONNECTION

CHARGESTORM® CONNECTED 2 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.

### MOUNTING PLATE

922-00019 One DIN wallbox\*

⑥ 920-00010 One wallbox\*

⑦ 922-00018 Two DIN wallboxes\*

### POLE

445-00016 60mm\*

820-00102 Concrete base

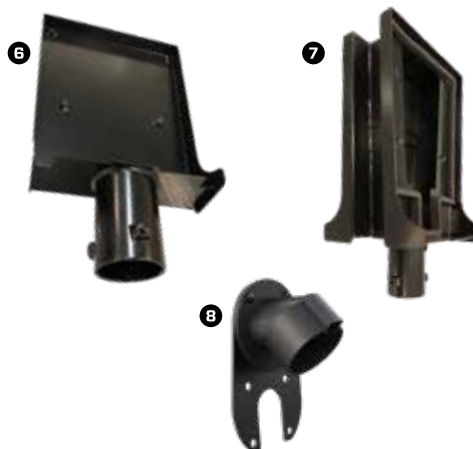
820-00101 Mounting plate, ground

### PLUG HOLDER

40-564 Plug holder, left

⑧ 40-527 Plug holder, right

\*Black: RAL 9005, Shine 50



## CABLES AND WALL MOUNTS

All our EV charging cables have been designed to work with Mode 3 charging points. Our cables allow your EV to automatically communicate with the charging point for fast, safe and reliable charging.

### CHARGING CABLES

40-324 Straight T1-T2 32A 1 Phase 5m

⑨ 40-322 Straight T2-T2 32A 1 Phase 5m

40-323 Straight T2-T2 32A 3 Phase 5m

### WALL MOUNT FOR PLUG

⑩ 125-01008 For Type 2 plug



## NJORD® GO

NJORD® GO is a portable 11 kW EV charger\* that gives you fast, reliable Electric Vehicle (EV) charging at home, or when you're on the move. A free to download CTEK APP\*\* gives you total control over charging and charge scheduling directly from your Android or iOS mobile phone.

### SMART, EASY TO USE, FULLY PORTABLE

NJORD® GO from CTEK is a durable, lightweight and portable all-in-one EV charger available with a type 2 connector, having a charging capacity up to 11 kW. It comes with fixed heavy duty 1.5 m long mains cable and 5 m 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. The 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.

\*You might have noticed that we call the NJORD® GO an 'EV charger'. Technically speaking it's 'electrical vehicle supply equipment' (or EVSE for short), that provides a safe supply of electricity to power the on-board battery charger in your Electrical Vehicle (EV). Most people use the term EV charger, so to keep things simple, we've chosen to use this term too.  
\*\*Please note some APP features are only available via Bluetooth or Wi-Fi – please see our App table for further details.

- 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. IK10 & IP65.
- 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

40-353	NJORD® GO
40-503	NJORD® GO and Wall Mount

### WALL MOUNT

40-388	NJORD® GO Wall Mount
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NJORD® GO Bundle includes EV charger\* and wall mount.



CTEK



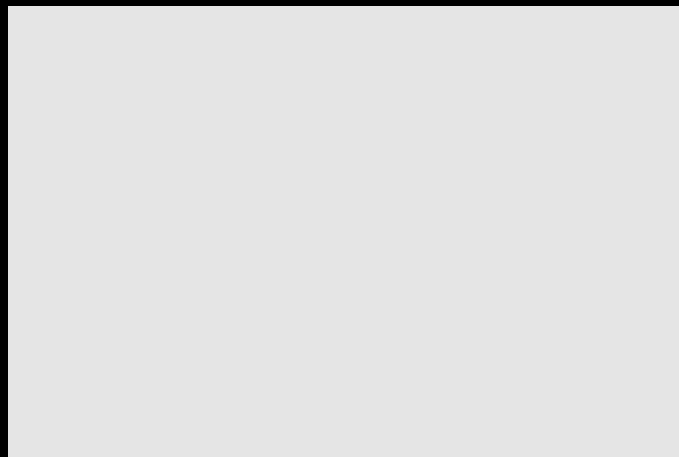
## **ABOUT CTEK EVSE**

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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