

**CTEK**

*CTEK E-MOBILITY*

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

*UNITED KINGDOM*





*electric*

## 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 TWO OUTLETS

40-647 Wallbox CC2 22kW

### WALLBOX WITH ONE OUTLET

40-645 Wallbox CC3 22kW

## 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

810-00032 CGC100™ 250A

40-383 CGC500™ 400A

40-384 CGC500™ 4000A

### ENERGY METER

40-670 TCP Energy meter 63A (pass-through)

40-680 TCP Energy meter 100A (Trafo)

40-681 TCP Energy meter 300A (Trafo)

40-682 TCP Energy meter 600A (Trafo)

40-683 TCP Energy meter 800A (Trafo)

### HOME

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

## 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

40-628 MiniPCle 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

- 6 40-639 One wallbox

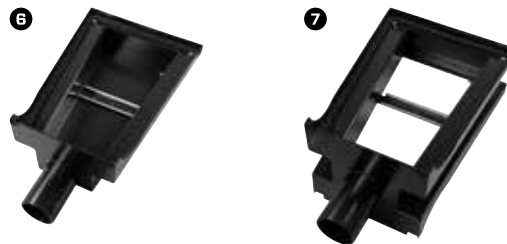
- 7 40-640 Two wallboxes

### POLE

445-00016 Pole 60mm

820-00102 Concrete base

820-00101 Mounting plate, ground



## 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

- 9 40-324 Straight T1-T2 32A 1 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.



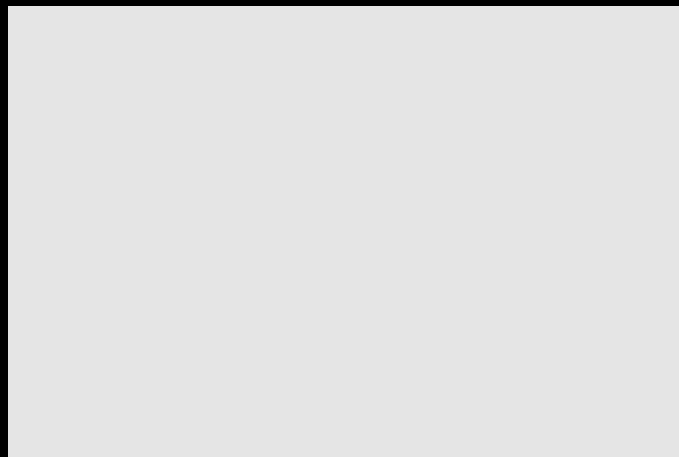
## **ABOUT CTEK EVSE**

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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