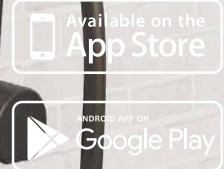


# EV CHARGER\*, TWO FIXED, STRAIGHT CHARGING CABLES



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 charging points. CHARGESTORM® CONNECTED 2 has internal load balancing between the two unit charging points as standard, and is also compatible with NANOGRID™, a dynamic load balancing solution, for use with 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. 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 modem. Internet connection is required for portal services and app management. We support integration with all major operators in electric car charging.

The CHARGESTORM CONNECTED 2 22KW models, may derate when operating for longer periods of charging time in high ambient temperatures. This is an inbuilt safety feature to avoid internal overheating. This is a deviation to IEC 61851-1:2017 standard.

## 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.

- Charging power 1.4–22 kW
- 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

\*You might have noticed that we call the Chargestorm Connected 2 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.

VERSION	2
ARTICLE NUMBER	910-17092
CHARGING METHOD	Mode 3
CHARGING CATEGORY	AC charging
FIXED CHARGING CABLE	Two fixed, straight charging cables
FIXED CHARGING CABLE LENGTH	4 m
VEHICLE CONNECTOR	Type 2
POSITIONING	Wall mounting (standard), pole mount (option)
LOAD BALANCING	Load balancing (NANOGRID™ Internal) is included between the dual charging points of the EV charger. Options for other load balancing solutions between several units (NANOGRID™ Home, NANOGRID™ Local, NANOGRID™ CTEK Grid Central).
ENERGY METER	MID (standard)
NUMBER OF PHASES	3 Phase
CHARGING CURRENT	6–32 A
CHARGING POWER	1.4–22 kW
FREQUENCY	50 Hz
RATED VOLTAGE (INPUT)	230/400 V
POWER INPUT CONNECTOR	16 mm <sup>2</sup> terminal block
AMBIENT OPERATING TEMPERATURE	-30 °C to +50 °C
RELATIVE HUMIDITY	Up to 100% at 25 °C
ALTITUDE	< 2000 m
WEIGHT	~ 14 kg
ENCLOSURE DIMENSIONS (L X W X H)	160 x 282 x 449 mm
ENCLOSURE MATERIAL	Plastic, Metal
ENCLOSURE COLOR	Black, Green
ENCLOSURE COLOR (METAL)	Green
ENCLOSURE COLOR (PLASTIC)	Black
ENCLOSURE LOCK	Key
GROUND FAULT DETECTION	Built-in ground fault detection, 30 mA AC, 6 mA DC
GROUND FAULT RESET	Semi-automatic
AUTHENTICATION	RFID, APP
RFID READER	Yes
RFID TAG STANDARD	ISO15693, ISO14443A (MIFARE)
COMMUNICATION PROTOCOL	OCPP 1.6
USER INTERFACE	LED symbols
CONNECTIVITY	3G, 4G, Ethernet
APP SUPPORT	Smartphone display, Taking Charge App for Android and IOS (requires that the EV charger is connected to the cloud service Charge portal)
COMPATIBILITY MAINS	IT-net, TN-net
COMPLIANCE	CE, IEC 62196-2, IEC 61851-1, IEC 61439-7
APPROVAL	Download the Declaration of Conformity from <a href="http://WWW.CTEK.COM">WWW.CTEK.COM</a>
DEGREE OF PROTECTION	IP54
IMPACT PROTECTION	IK10
WARRANTY	2 years

### **MOUNTING AND CONNECTION**

CHARGESTORM® CONNECTED 2 can be easily mounted on a wall with just 4 screws. It can also 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.

### **GUARANTEED QUALITY WITH CTEK**

Quality is at the heart of everything we do, with safety, simplicity and flexibility characterizing all of our products and solutions. If you have any questions about our products, or would like further information about EV charging, our Customer Support Team is here to help. We are the global leader in battery management solutions, and supply products to more than 70 countries throughout the world. CTEK is also a reliable OEM supplier to many of the world's most prestigious vehicle manufacturers.

For more information visit [WWW.CTEK.COM](http://WWW.CTEK.COM)