



## 22KW PUBLIC EV CHARGER WITH TOUCHSCREEN

The CHARGE STORM® CONNECTED 3i is an AC charger designed for public use, combining highest uptime, robust built, cybersecurity, and ease to use.

It supports the latest cybersecurity requirements, and is future-ready for smart grid integration – making it the ideal choice for modern EV infrastructure.

### **VISUALIZED CHARGING WITH THE LATEST TECHNOLOGY**

The CC3i features a single 22 kW AC outlet and a built-in 7" touchscreen that provides real-time charging status, pricing, energy consumption, and dynamic QR codes for seamless ad hoc payments. It supports smart charging via ISO 15118, with AutoCharge available today and Plug & Charge and Vehicle-to-Grid (V2G) capabilities planned in upcoming software updates – ensuring your investment is ready for the future of e-mobility.

### **BUILT FOR SCALE**

The CHARGE STORM® CONNECTED 3i is ideal for large-scale deployments, offering both single and dual outlet models and seamless integration with CTEK's NANOGRID™ load balancing system.

NANOGRID™ intelligently distributes power to prevent overloads, ensuring safe, efficient operation – even in high-demand environments. It also enables remote control of charging loads, supporting participation in grid services and dynamic energy management.

- Power and network daisy-chaining
- Ground fault reset by unplugging charging cable
- Real-time pricing and energy data on 7" touchscreen
- Tampering detection, monitoring unauthorized access to charger from backend
- Enabling secure dynamic QR-code payments
- Scalable, dynamic load balancing, up to 1000 charging points
- Wi-Fi Hotspot for easy commissioning
- Car authentication: ISO15118/AutoCharge
- Plug & Charge and V2G hardware-ready
- EMS charging power control via Modbus/TCP
- Cybersecurity: EN 18031 compliant
- Awarded for reliable operation

\*You might have noticed that we call the CHARGE STORM® CONNECTED 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.

ARTICLE NUMBER	40-638
CHARGING METHOD	Mode 3
CHARGING CATEGORY	AC charging
OUTLET	One type 2 outlet
LOCKING ACTUATOR (TYPE 2 OUTLET)	Yes (Solenoid)
POSITIONING	Wall mounting (standard), pole mount (option), roof mount (option)
LOAD BALANCING	CHARGE STORM® CONNECTED 3i supports CTEK's NANOGRID™ LOCAL PLUS and grid controller products – a high-performance, cost-efficient dynamic load balancing solution without requiring cloud access
ENERGY METER	MID approved
NUMBER OF PHASES	3 Phase
CHARGING CURRENT	32 A per outlet
FUSE	32 A per outlet
CHARGING POWER	Up to 22 kW
FREQUENCY	50 Hz
RATED VOLTAGE (INPUT)	400 V
POWER INPUT CONNECTOR	Up to 25 mm <sup>2</sup> terminal blocks
AMBIENT OPERATING TEMPERATURE	-30 °C to +50 °C
RELATIVE HUMIDITY	Up to 100% at 25 °C
WEIGHT	Up to 11 kg
DIMENSIONS	416x281x161 mm (HxWxD)
ENCLOSURE MATERIAL	Metal, plastic
ENCLOSURE COLOR	Black
ENCLOSURE LOCK	Key
TAMPERING DETECTION	Yes
GROUND FAULT DETECTION	MRCD Type B 30 mA
GROUND FAULT RESET	Semi-automatic
AUTHENTICATION	RFID, OCPP, AutoCharge, Plug & Charge**
RFID READER	Yes
RFID TAG STANDARD	ISO 15693, ISO 14443A (MIFARE)
COMMUNICATION PROTOCOL	OCPP 1.6/OCPP 2.0.1**
USER INTERFACE	Integrated 7" high-resolution touchscreen; LED indicators
CONNECTIVITY	Wi-Fi; 2 x Ethernet (switch); 4G (optional)
APP SUPPORT	Third party
COMPLIANCE	CE; RED; IEC 62196; IEC 61851-1
APPROVAL	Download the Declaration of Conformity from <a href="http://WWW.CTEK.COM">WWW.CTEK.COM</a>
DEGREE OF PROTECTION	IP54
IMPACT PROTECTION	IK08
ISO 15118	15118-2 EIM
DAISY CHAINING	Power (max 16 mm <sup>2</sup> ), network
WARRANTY	3 years

\*\* Coming in software release 2026

#### FLEXIBLE INSTALLATION

The CHARGE STORM® CONNECTED 3i is easy to install. It supports both wall, roof and pole mounting options. For pole and roof installations, a mounting plate is required.

Configuration is easily managed via a CTEK unique local web interface, accessible over LAN or Wi-Fi. All charger settings, including backend connectivity, are handled through this interface, providing a streamlined commissioning process.

#### GUARANTEED QUALITY WITH CTEK

CTEK customer support is available to answer any questions related to charging and CTEK chargers. Safety, simplicity and flexibility characterizes all products and solutions developed and sold by CTEK. CTEK is also a reliable OEM supplier to many of the world's most prestigious car and motorcycle manufacturers.

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