



CityCharge 43

EV Charging Station for Light
Commercial Vehicles, Trucks, and Buses



OVERVIEW

CityCharge 43 is an EV charging station specifically designed for commercial vehicle fleet charging. It offers performance comparable to low-power (50kW) DC stations but is a more cost-efficient alternative. This charging station is particularly suited for the last-mile logistics segment and electric bus fleet charging.

MAIN FEATURES

- One 43kW charging point for commercial vehicles, trucks and buses
- Equipped with an integrated 7-meter straight cable featuring a Type 2 connector
- Includes prefabricated foundation for quick installation of the station
- Charging speed equivalent to 50kW DC station
- Cost efficient compared to DC chargers: lower purchasing, installation and maintenance costs
- Weatherproof and impact-resistant aluminum case
- 100% EU-sourced industrial components
- Advanced charging control and configuration with Elios.Cloud backend platform
- Connection of leading backend providers via OCPP 1.6
- Customizable branding
- Additional options include touchscreen for dynamic QR-code display, an integrated contactless payment terminal, and other

TECHNICAL SPECIFICATIONS

Mechanical design

Dimensions 1370 x 350 x 150 mm (H x W x D)
 UV resistant, robust aluminum housing
 Operational temperature from -25°C to +55°C
 IP54 electrical enclosure rating
 IK10 external-mechanical impact rating
 Weight: approx. 47 kg

Cable and connector

Integrated straight cable, length at rest 7.3 m
 1 x Type 2 connector - IEC 62196 (Mode 3)

Electrical design

Input power:
 3-phase 400 V/AC 50 Hz 70 A
 Output power:
 1 x 3-phase 400 V/AC 63 A (43 kW)
 1 x 3-phase 400 V/AC 32 A (22 kW)
 1 x 3-phase 400 V/AC 16 A (11 kW)

MID Smart energy meter
 Dynamic Load Management (Smart Charging)
 Static power balancing

Connectivity

4G and Ethernet (LAN) communication
 Elios.cloud and OCPP 1.6 JSON
 OTA (Over the air update)
 IEC 61851-1:2017

User interface

LED screen
 LED status display integrated on side elements
 Fault detection via different flashing codes
 RFID user access control

Safety protection

C63 MCB overcurrent / short circuit protection
 RCD 30mA + 6mA DC leakage current protection
 RCCB Type B 30mA + 6mA DC leakage current protection (optional)
 Type 1 + 2 + 3 surge protection (optional)

OPTIONS AND ACCESSORIES

CityCharge 43 is highly customizable. Below are some of most popular features, more features and feature pairings available. For more information, contact us at info@elintacharge.com.



Payment Terminal

Integrated contactless payment card reader (Payter, Valina or PAX)



Touch

Integrated LCD touchscreen with enhanced UI and dynamic QR-codes for payments



Customized Branding

Custom UV print, stickers, and LED lights

CONTACTS

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