The Future of EV Charging

The **CF2-Y-200** is a three-phase, commercial DC ultrafast charging station, featuring **two** charging points with a CCS2 gun each. Depending on the amount of EV's connected to the charging station and the charging priority of these EV's, the total power output of **200kW** can be split accordingly into the two charging points. The **CF2-Y-200** is available in different power configurations ranging from 40KW to 200KW (in 40KW steps)

With its high power, it's an ideal charging unit that is compatible with our own application or with any other 3rd party **OCPP 1.6 compliant** applications, allowing for easy fleet and cost management.

In case of uncooled cables, the CF2-Y-200 has a **Boost functionality**: the EV's that are being charged can use an extra capacity for a certain total duration. Depending on the ambient temperature, the required extra overcapacity and the communication with the EV, the maximum power will be dynamically reduced if necessary.
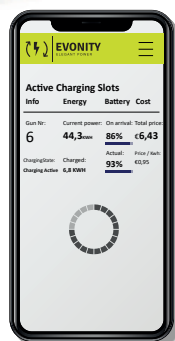

ULTRA RAPID CHARGING

CONTACTLESS PAYMENTS

OPERATING METHODS

Plug & Charge – With the Plug and Charge mode you do not require any additional software or Apps to control the charge points. You simply plug your car into the charger, and the process begins. The charging process stops automatically when the charge is finished, or when you manually stop the charging.

RFID – With the RFID mode, you can start charging your EV with the swipe of a card. The RFID card can be used for i.e. identification and invoicing purposes.

Evonity Platform – Each charging station comes with a local EMS, providing you the ability to customize and log anything you want and need: charging rates, off-peak charging prioritization to maximize savings and minimize the load on the electricity grid, … We give you the ability to utilize public charging capabilities and manage and control multiple chargers from which you can generate a steady revenue stream.

Every charging cycle has a unique QR code: when the user scans this code with his mobile phone, a website will open where the user can monitor his charging state. This is seamlessly integrated to enhance the charging experience of the user without having to install any App.

Electrical Data

Operating voltage	400 Vac +N +PE (± 10 %)
Frequency	50 Hz (± 5 %)
DC outlet type	CCS2 (CHAdeMO optional)
Output voltage	350 – 1000 VDC
Max. output power	200 kW
Max. output current	250 ADC
Efficiency	≥ 95 %
Cable Length	3,5 – 5 m
Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over temperature protection	✓
Surge protection	✓

Certifications/standards

CE	✓
ISO 15118 compliant	✓
OCPP compliant	✓

Working Environment

Protection degree	IP54
Mechanical impact resistance	IK10
Installation site	Indoors and outdoors
Installation altitude	No de-rating below 2000m a.s.l
Type of installation	Floor mounting (base plate)
Operating temperature range	-40 °C - +75 °C (output derating above 55 °C)
Relative humidity	0 – 95 %
Cooling	Forced air cooling
Standby power consumption	± 100 W (depends on configuration and options)
Noise emission	≤70 db

Mechanical Data

Dimension cabinet (W/D/H)	800/300/2200 mm
Weight cabinet	± 510 kg

Functions

Display	24 inch touch screen
Ethernet/WIFI/4G	✓
LED Indicator light	✓
Emergency stop button	✓
Dynamic load balancing	✓
RFID	✓
Remote monitoring	✓
Color customizable	✓
Boost functionality	✓
Cooled cables	Optional
Bank & credit card terminal	Optional
360° IP camera surveillance	Optional
AC 22kW charging point	Optional