

Next Generation DC -fast charging station

ECDC^{80-160kW} is a stylish and modular DC-fast charging station that is suitable both for professional and public charging. One ECDC -station charges two electric vehicles simultaneously (2 x CCS1/2). Adaptive voltage range of 200-920V enables also heavy equipment charging.

Two basic versions: 80kW and 160kW. Modular power increase in 40kW steps within the same device is possible up to 160kW. It is possible to pair multiple charging stations into an intelligent charging site with HPC capabilities. The total available output power is dynamically distributed among EV's being charged, optimizing the charging time. Additional Booster power unit can be used for increasing the total power of the charging site (max 640kW per Booster).

ECDC -charging stations are delivered ready-for-use. Easy installation and commissioning minimizes set-up costs. Charging stations can be branded to wished visual outlook.

Key Features

- Adaptive voltage range 200-920V
- Dynamic power distribution
- Touch screen & LED lightning
- MID-certified meters for €/kWh -invoicing (option)
- Cable management (option)
- Ground installation base (option)

Remote Support

- Tech. help-desk for the station owner/service Partner
- Software updates
- Malfunction diagnosis & repair remotely

24/7 portal

Management tool for the station owner/service Partner, including usage data, user identification, setting prices & other functionalities.

Made & developed in Finland , marked with a Key Flag.

Note: the technical data of the products may differ from the data in the brochure. Enersense reserves the right to make changes.

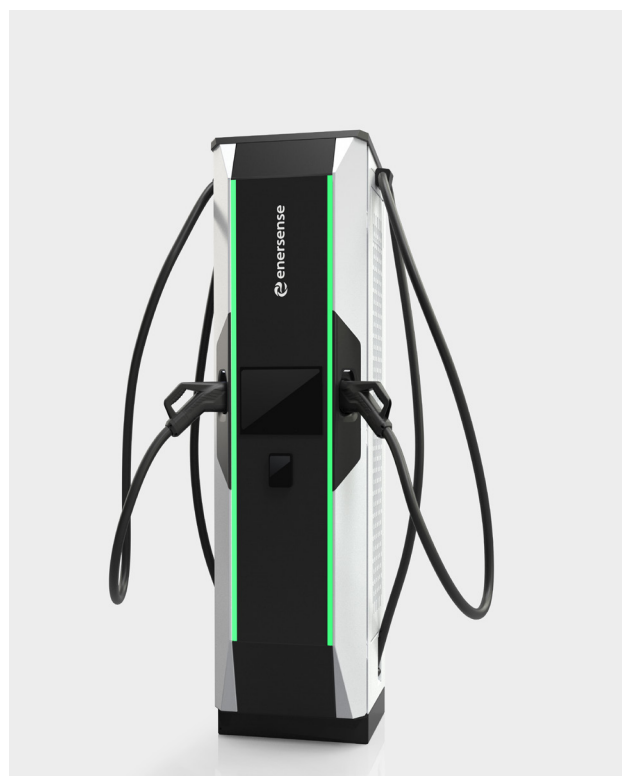
Dimensions: 700 mm x 600 mm x 2030 mm

Weight: 250 - 310 kg

Output power: 80 kW / 160 kW

Charging standards: 2 x CCS1/2

Input power: min 3 x 125A /250A



ECDC^{80-160kW}

Note: final design is subject to changes

Applications

- service stations, highway rest stops, travel plazas, and high turnover parking areas
- retail, grocery, mall, sport, culture, and recreational sites
- business and industrial parks
- offices, hospitals, and various communal sites
- logistics terminals and fleet charging depots

User interface options

- Touch screen
- Mobile user interface
- Bankcard reader - contactless payment
- Payment kiosk
- CPO's own user interface

NOTE! API and OCPP 2.0.1 interfaces enable flexible integration with existing back-end systems.

Enersense EV Charging Solutions

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ECDC^{80-160kW} - technical information

General Specification

Environment	Indoor / outdoor
Operating temperature	-35 °C to +40 °C
Input AC power connection	3P (250 A) + N + PE
Input voltage range	400 V +/-10% 50 Hz
Efficiency	95% at nominal output power
Data connection	GSM / 4G modem Ethernet
Protection	IP54
Dimensions (D x W x H)	700 mm x 600 mm x 2030 mm
Weight	250 kg / 310 kg (excluding cables)
Charging standards	2 x CCS Combo1/2
Maximum output power	80 kW / 160 kW
Maximum output current	250 A / 500 A
Output voltage range	200 - 920 V
Cable lenght	4,2 m (optionally up to 10 m)



Optional Payter bankcard reader - contactless payment



For more information please contact:

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