

Charger with Direct Payment

CompactCharger ECC320

The **CompactCharger ECC320** by EnerCharge is an extremely compact DC fast-charging station with integrated AC/DC power electronics for charging current and next generation e-vehicles. Payment and billing take place **directly at the charger**.

Trendsetting Charging

- > The ECC320 CompactCharger (Single/Dual) charging station is an extremely compact DC fast-charger with integrated AC/DC power electronics. The ECC320 CompactCharger is connected to the AC mains depending on the charging power and the AC/DC conversion takes place within the charger. In addition to quick and easy installation, the ECC320 also scores with low operating costs, for example thanks to uncooled CCS charging cables.
- > The ECC320 CompactCharger allows maximum flexibility in setup and charging power. A single version (1x CCS) or a dual version (2x CCS) are available on request. The maximum charging power is freely selectable from 20 to 320 kilowatts. The charging voltage (150 to 920 VDC) is compatible with next-generation e-vehicles.
- > The intuitive and customer-friendly operation and the revolutionary direct payment with debit card, Maestro, Girocard, credit card, NFC, etc. happen directly at the 15.6-inch high-resolution display. Also contactless payment via Bluetooth or via smartphone app is possible. Additionally, advertising videos can be played as an added value for the operator.

The Advantages at a Glance:

- > DC charger with integrated AC/DC power electronics. Individually selectable charging power:
Single: min. 20 to max. 320 kW
Dual: min. 40 to max. 320 kW
- > Quick and simple installation.
- > Very compact layout.
- > Dynamic energy management for minimal charging time.
- > High-resolution 15.6-inch front display for user guidance and direct payment.
- > Dual: Parallel charging of 2 e-vehicles with max. 320 or 2x 160 kilowatts.
- > Stand-alone capability - no backend costs.
- > Direct payment with NFC-capable devices via e.g. GooglePay and ApplePay, Further payment methods are added continuously.
- > Free-standing charger with integrated payment module for debit, credit and customer cards.
- > Debit cards and Girocards usable as customer cards.
- > Optional: with cable pull for charging cable: usable cable length = 4.8 meters.






CompactCharger ECC320

Innovative Direct Payment

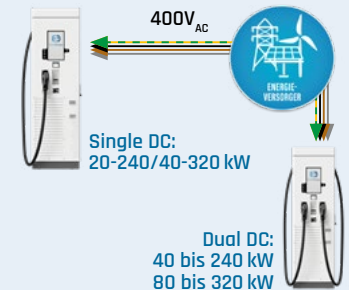
- > Payment as easy as your daily shopping: EnerCharge means maximum payment comfort for your customers. Payment via one of the many options is simple and safe – without ties and memberships.
- > The payment happens directly at the CompactCharger ECC320.

Your customers pay with:

- > Debit- and bank cards:

- > Credit cards:

- > Fleet- and customer cards:


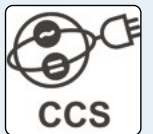
CompactCharger ECC320

- > DC charger with integrated AC/DC power electronics. The maximum charging power is individually selectable from 20 to 320 kilowatts. In addition, the charger is available in a Single (1x CCS/20 to 320 kW) or Dual (2x CCS/40 to 320 kW)



2x CCS with parallel charging

- > The CompactCharger is also available as a version eligible for funding with parallel charging. In this case, the ECC320 Dual has 2 CCS charge plugs, which can be operated in parallel. Thus, 2 electric vehicles can be charged simultaneously.



Technical Data DC	
Nominal Voltage	1000 V _{DC}
Nominal Voltage Peak (max. charging current)	500 A
Maximum Rated Power	320 kW
Charging Connector	CCS Combo-2
Power Factor	0,96

Technical Data Housing	
Dimensions	H / W / D: 1984,5 / 678,5 / 739 mm (without plug holder)
Weight (max.)	412 kilograms
Place / Type of Installation	Interior / exterior, floor-mounting on concrete base (foundation)
Humidity (relative)	5-95% non-condensing
Temperature Ranges	Environment / storage / interior temp.: - 25 to + 45 °C
Housing / Protection Type	Stainless steel 1.4301 (AISI 304), robust design (IP54 / IK10), white powder-coated
Custom Design	Yes, with minimum order quantity

Operation	
Display	Simple, intuitive user interface, display of charging prices, display of ads and provision of receipts
Display Size (inches)	15,6"
Operation	Buttons
Barrier-free	Yes
Status Display (for user)	Status-LEDs of charger, via 15,6" display, via online access

Charging Cable	
Outlets (DC)	2
Charge Points	2
No. of Charging Cables	2
Charging Cables with Fluid Cooling	No
Simultaneous Charging of Multiple Vehicles	Yes
Cable Length (from outside of housing, incl. charging connector)	3,10 m (without cable management), 5 m (with cable management)

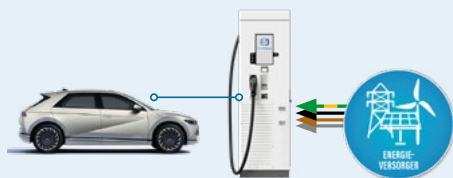
Billing System / Authentication	
NFC Reader	Optional
Energy Meter (MID)	Optional
Authentication of Charging Process	RFID, OCPP, vehicle-ID (MAC), free-charge

Direct Payment	Optional
Payment Options (app, card, etc.)	1. RFID-card 2. Credit- / Debit cards (Mastercard, VISA), Maestro / Debit (depending on acquiring bank) 3. Mobile Payment (Google Pay / Apple Pay)
Payment Terminal Hardware (manufacturer, configuration)	1. Worldline VALINA 2. CCV IM30 (from Q3 / 2024) 3. Felg cVEND PIN

Standards and Certifications	
Verifiably complies with the following standards (test reports available)	Fulfilled upon receipt of the test report
DIN SPEC 70121:2014	Yes
DIN EN ISO 15118-1/2	Yes
German Standard Weights and Measures Law („Eichrecht“)	Module B
IEC 62196-3	Yes, via charging cable manufacturer

Extras	
Interface for Energy Management	Yes, Modbus TCP Server
Display of Ads	Yes
Operator Service Portal	Location-independent self-management via online access
Remote Updates	Yes

Layout ECC320 Single*



- › Charging power CCS freely selectable 20 to 320 kW

Layout ECC320 Dual**



- › Max. charging power (actively charge 2 e-cars):
ECC 40-240 Dual: max. CCS 120 + 120 kW
ECC 80-320 Dual: max. CCS 160 + 160 kW
- › Max. charging power (actively charge 1 e-car):
ECC 40-240 Dual: CCS 40 to 240 kW
ECC 80-320 Dual: CCS 80 to 320 kW

* S = Single: One e-vehicle per charger can be charged.
 ** D = Dual: The simultaneous charging of two e-vehicles is possible (parallel charging). The power electronics adjust the charging power automatically. Ex.: 1 vehicle = 320kW, 2 vehicles = 2x 160kW.