

# Charger with Direct Payment

## ECC320 CompactCharger

**ECC320 CompactCharger** 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 V<sub>DC</sub>) 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.



ECC320 CompactCharger

### 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 compact charger ECC320.

Your customers pay with:

- › Debit- and banking cards:



- › Credit cards:



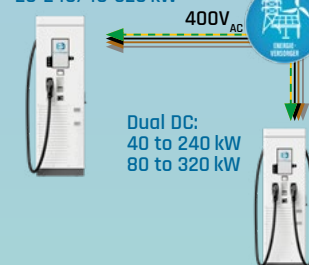
- › Fleet- and customer cards:



### ECC320 CompactCharger

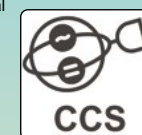
- › DC charger with integrated AC/DC power electronics. The maximum charging power is individually selectable from 20 to 320 kilowatts. In addition, the charger is available in a Single (1x CCS/20 to 320 kW) or Dual (2x CCS/40 to 320 kW) version.

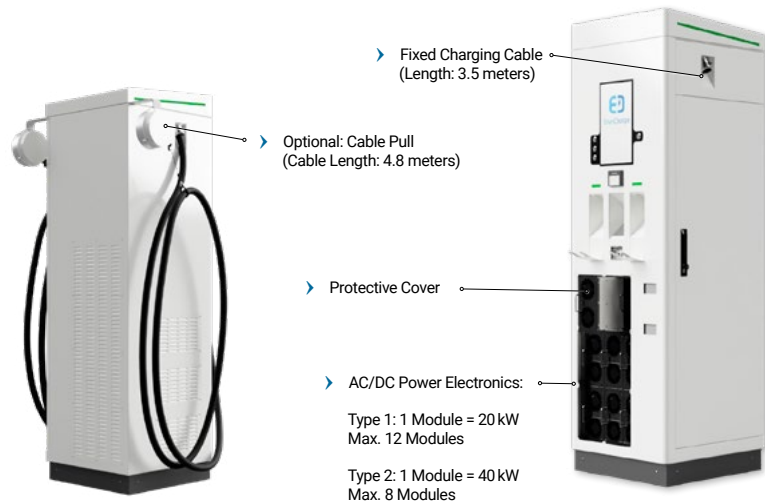
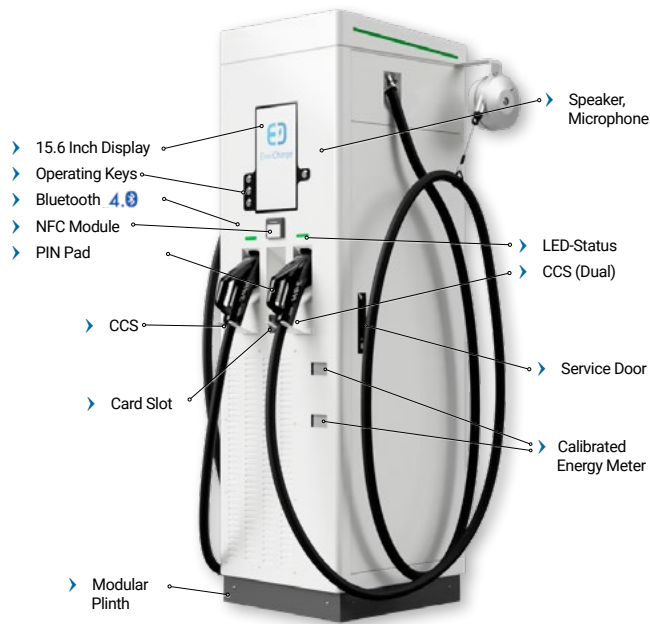
Single DC:  
20-240/40-320 kW



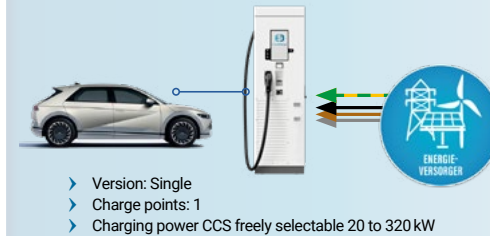
### 2x CCS with Parallel Charging

- › 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.

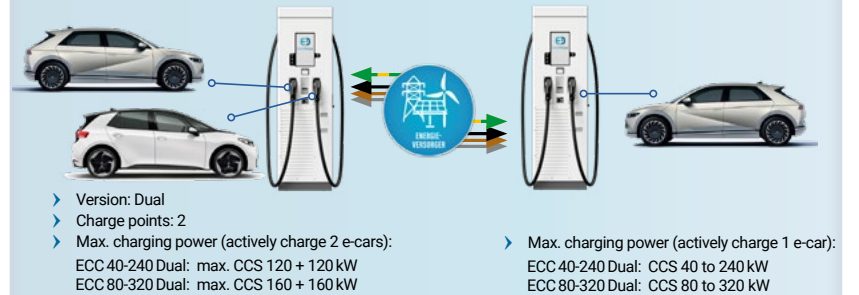




### Layout ECC320 CompactCharger Single:



### Layout ECC320 CompactCharger Dual:



Features	20 to 240 kW Single	40 to 240 kW Dual	40 to 320 kW Single	80 to 320 kW Dual
Function	DC charge point with integrated AC/DC power electronics for e-vehicles with CCS charging socket			
Housing	Robust Design (IP54/IK10)			
Status Info	Via 15.6 Inch Display, via Online Access			
Connection Type	1x CCS Combo-2 and/or 1x CHAdeMO	2x CCS Combo-2	1x CCS Combo-2 and/or 1x CHAdeMO	2x CCS Combo-2
Charging Voltage	DC	DC	DC	DC
Max. Charging Current	max. 450 A max. 200 A (CHAdeMO)	max. 450 A	max. 450 A max 200 A (CHAdeMO)	max. 450 A
VDC max.	150 - 1000 V <sub>DC</sub>	150 - 1000 V <sub>DC</sub>	150 - 1000 V <sub>DC</sub>	150 - 1000 V <sub>DC</sub>
Integrated AC/DC Power Units	1 to 12 Modules Type1	2 to 12 Modules Type1	1 to 8 Modules Type2	2 to 8 Modules Type2
Charge points	1 (Single*)	2 (Dual**)	1 (Single*)	2 (Dual**)
No. of Charging Cables	1	2	1	2
Usability	Easy, accessible			
Payment Types for Direct Payment:	Debit and credit cards, Girocard via PIN pad, contactless payment with RFID, NFC for GooglePay and ApplePay, membership cards, discount cards, fleet cards, Bluetooth via EnerCharge app, mobile payment.			
Display	Simple, intuitive user interface, tariff display, advertising insertions and provision of receipts			
Charging Cable CCS Combo-2 without Fluid Cooling:	Yes			
User-Friendliness	★★★★★			
Communication Standard	OCPP V2.0.1 (Open Charge Point Protocol)			
Cable Length	Fixed (3.5 meters) or Cable Pull (4.8 meters)			
Temperature Ranges	Environment/Storage/Interior Temp.: - 25 to +45 degrees Celsius			
Dimensions	H/W/D: 1980 / 680 / 735 mm			
Weight	Housing: approx. 200kg + 25kg per 20kW module or +40 kg per 40kW module			
AC/DC Power Unit	Type 1: charging power per module = 20 kW		Type 2: charging power per module = 40 kW	
Commissioning	Remote activation by EnerCharge (no on-site appointment necessary)			
Operator Portal	Location-independent self-management via online access			

\* 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.