

Charging Station with Direct Payment

FastCharger EC500

The **DC FastCharger EC500** is EnerCharge's flagship with up to 500 kW charging power. Payment and billing are carried out **directly at the charging station**.

Visionary Charging

- The DC FastCharger is a powerful DC fast charging system that is available with up to two charging stations. Two charge points are provided per charging station, which are connected to the compact PowerUnit power electronics.
- The combination EC500 and DC PowerUnit allows for flexibility during setup. For example: two PowerUnits Single and an EC500 Dual combine for a maximum charging output of 480 kW. On request, the DC FastCharger offers 2x CCS or 1x CCS/1x CHAdeMO plugs.
- The intuitive and customer-friendly operation and revolutionary direct payment happen easily and quickly, directly through the high-resolution 15,6 inch display with Debit-, Maestro, Girocard, NFC and more. Contactless payment through Bluetooth is available as well. As an added value, videos can be played for advertisement purposes.

The Advantages at a Glance:

- Modular scalability for charging of next-generation electric cars.
- Dynamic energy management to minimise charging time.
- High-resolution **15.6 inch front display** for user guidance and direct payment.
- Two direct current (DC) charging connectors - in total up to 500 kW:
 - CCS up to 500 kW @1000 VDC**
 - CHAdeMO up to 62.5 kW**
- Cable alternatively:
 - 250 A / 450 A uncooled or 500 A cooled**
 - 3 m or 5 m length**
- Advertising can be displayed.
- Stand-alone capability - no backend costs.
- Direct payment with NFC-capable devices via e.g. Google-Pay and Apple-Pay. Additional payment methods are added continuously.
- Standing charging station with **integrated payment module** for debit, credit and customer/loyalty cards.
- Debit and Girocards can be used as customer cards.
- Makes up to 8 additional AC charge points billable and controllable.



FastCharger EC500

Innovative Direct Payment

- Payment as easy as your daily shopping trip: EnerCharge means maximum payment comfort for your customers. Payment is easy, versatile and secure – no memberships or binding obligations.
- The payment is carried out directly at the charging station EC500
- Your customers pay with:
Debit- and banking cards:



Credit cards:



Fleet- and customer cards:



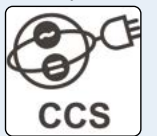
DC PowerUnit

- The PowerUnit provides DC power to the EC500. The distance between the charging station and the PowerUnit can be up to 50 metres. The PowerUnit is available in three power levels: 120/160/200/240 kW.



2x CCS with parallel charging

- The DC FastCharger is also available in a version with parallel charging which is eligible for certain grants. In this version the DC FastCharger comes with 2 CCS charge plugs which can be used simultaneously to charge two electric vehicles at the same time. Two versions are available:
V1: 2x CCS with 200 A / 450 A @1000VDC
V2: 2x CCS with 500A @1000VDC (cooled charging cable)
- Conforms to AFIR



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

| Technical Data Housing | |
|------------------------------|--|
| Dimensions | H / W / D: 1865 / 450 / 500 mm (without plug holder or cable management) |
| Weight (max.) | 175 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), white powder-coated |
| Custom Design | yes, with minimum order quantity |

| Operation | |
|---------------------------|--|
| Display | yes |
| Display Size (inches) | 15,6" |
| Operation | buttons |
| Barrier-free | optional |
| 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 | optional |
| Simultaneous Charging of Multiple Vehicles | yes |
| Cable Length (from outside of housing, incl. charging connector) | 3 m (without cable management) or 5 m (with cable management) |

| Billing System / Authentication | |
|------------------------------------|--|
| NFC Reader | optional |
| Energy Meter (MID) | optional |
| Authentication of Charging Process | RFID, OCPP, Fahrzeug-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. Feig cVEND PIN 3. CCV IM30 (from Q3/2024) |

| Standards and Certifications | |
|---|--|
| Verifiably complies with the following standards (test reports available) | 1) Low Voltage Directive (LVD) (2014 / 35 / EU) 2) EMC Directive (2014 / 30 / EU) |
| Complies with basic technical standards: | complete |
| IEC 61851-1 | yes |
| IEC 61851-23 | yes |
| IEC 61851-21-2:2018 | yes |
| DIN SPEC 70121:2014 | yes |
| DIN EN ISO 15118-1/2 | yes |
| German Standard Weights and Measures Law („Eichrecht“) | - |
| IEC 62196-3 | yes, via charging cable manufacturer |



- **Modular product and service solutions:** 100% flexible and future-proof.
- **Best end-customer service:** No obligations and maximum payment comfort.
- **Economical:** Fast profitability - no backend costs.

| Extras | |
|---------------------------------|--|
| Interface for Energy Management | only via associated PowerUnit |
| Display of Ads | yes |
| Operator Service Portal | location-independent self-management via online access |
| Remote Updates | yes |

* S = Single: one vehicle at a time per charging station can be charged.

** D = Dual: simultaneous charging of two e-vehicles is possible (parallel charging). The power electronics automatically adapt the charging power. Ex.: 1 vehicle = 180kW/1000VDC, 2 vehicles = 2x90kW/1000VDC.

*** All information is supplied without liability - the exact calculation of the electrical lines must be done on site.