

Charging Station with Direct Payment

DC FastCharger

EC500 60-480 kW + DC PowerUnit 120/160/200/240 kW

The DC FastCharger is EnerCharge's flagship with up to 480 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 480 kW:
CCS up to 480 kW @1000 VDC
CHAdeMO up to 62,5 kW
- > Cable alternatively:
250 A / 450 A uncooled or 500 A cooled
3 m or 4.8 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.



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 can pay with:

- > Debit- and banking cards:

- > Credit cards:

- > Fleet- and customer cards:

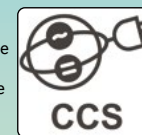

DC PowerUnit 120/160/200/240 kW

- > 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.



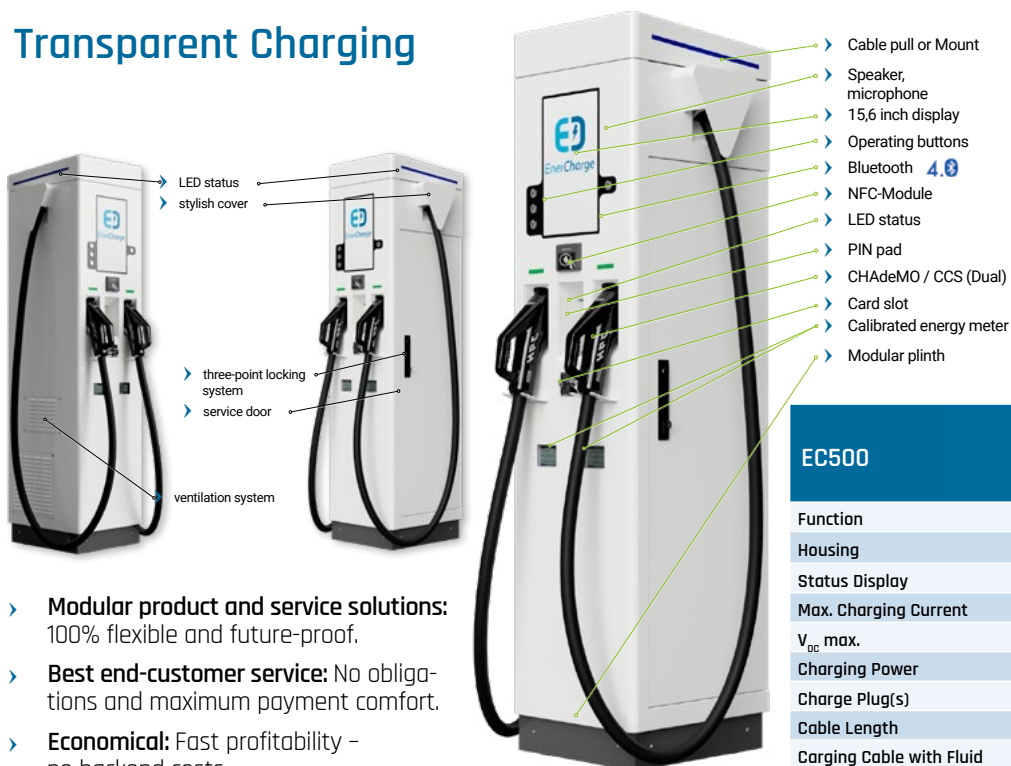
2x CCS with parallel charging

- > 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.

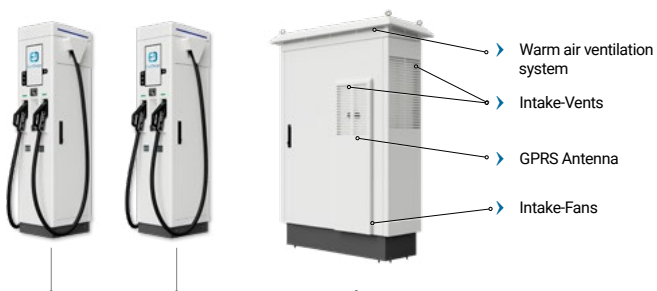


Two versions are available:
V1: 2x CCS with 200 A / 450 A @1000VDC
V2: 2x CCS with 500A @1000VDC
(cooled charging cable)

Transparent Charging



- **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.



- Exemplary layout:
max. 2x EC500 1x DC PowerUnit (120/160/200/240 kW)

DC PowerUnit	120 kW	160 kW	200 kW	240 kW
Function	power supply unit for fast-charging stations of the type DC FastCharger			
Housing	robust design (IP54/IK10), stainless steel V2A, powder-coated white			
Max Charging Current	352 A	469 A	500 A	500 A
V_{dc} max.	1000 V _{dc}			
Number of Charge Points	Version Single: 1 CP, Version Dual: 2 CPs, Version Quadruple: 4 CPs			
Temp. Ranges	environment/storage/interior temp.: -25 to +45°C			
Installation Site/Type	interior/exterior, floor mounting on concrete socket (foundation)			
Dimensions	H/W/D: 1850 mm / 1400 mm / 545 mm			
Weight	approx. 200 kg	approx. 250 kg	approx. 300 kg	approx. 350 kg
DC Supply Line to Charger***	max. 185 mm ² (1000 V - max. 50 m)		max. 300 mm ² (1000 V - max. 50 m)	
AC Supply Line***	max. 150 mm ² (500 V - max. 50 m)		max. 300 mm ² (500 V - max. 50 m)	
Installation	max. 50 meters between DC PowerUnit and EC500			

EC500	Single*		Dual**		
	1x CHAdeMO	1x CCS	1x CCS & 1x CHAdeMO	2x CCS	
Function	DC charge point for cars and trucks				
Housing	robust design (IP54/IK10), stainless steel V2A, powder-coated white				
Status Display	at 15.6 inch display, via online access				
Max. Charging Current	max. 125 A	max. 500A	max. 500 A	max. 125 A	max. 500 A
V_{dc} max.	500 V _{dc}	1000 V _{dc}	1000 V _{dc}	500 V _{dc}	1000 V _{dc}
Charging Power	62,5 kW	120 - 480 kW	120 - 480 kW	62,5 kW	120 - 480 kW
Charge Plug(s)	1x CHAdeMO	1x CCS	1x CCS & 1x CHAdeMO	2x CCS	
Cable Length	3 meters (mount) / 4.8 meters (cable pull)				
Charging Cable with Fluid Cooling	no	optional	optional	no	optional
Dual Charging available**	no	no	optional	yes	
Usability	easy, accessible				
Communication Standard	OCPP V 2.0.1 (ISO 15811)				
Payment Terminal	with card slot, PIN pad and NFC module for contactless payment				
Payment Options with Direct Payment	Debit card, Girocard, MasterCard, Visa, contactless payment via RFID/NFC for GooglePay and ApplePay, members cards, discount cards and loyalty cards, mobile payment via Bluetooth				
Display	easy intuitive operation, display of tariffs, ads and receipts				
Temperature Ranges	environment/storage/interior temp.: -25 to +45°C				
Dimensions	H/W/D: 1.864,9 mm / 450 mm / 500 mm				
Weight	approx. 200 kg				
Power Connection***	DC supply line: max. 300 mm ² (1000V - 50 meters), AC supply line: 230V (1P+N+PE)				
Activation	activation of the charging station online through EnerCharge (no on-site appointment necessary)				
Operator Portal	location-independent self-management via online access				

* 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.