EnerCharge
Your Vision, our Technology

Fully Charged with EnerCharge:
Maximally flexible, individual and future-proof

The unique selling points of the EnerCharge product range offer intelligent and cost-transparent charging management for every fleet size, and present and future high-performance mobility requirements – from electric cars with 400 or 800 volt batteries to commercial vehicles such as e-buses and e-trucks.

| DC Pillar | DC CompactCharger | DC Wallbox | DC FastCharger | DC PowerUnit |

Charge time with an average mileage of 20 kW / 100 km	
20 kW	abt. 1 hr / 100 km
100 kW	abt. 12 min. / 100 km
200 kW	abt. 6 min. / 100 km
400 kW	abt. 3 min. / 100 km

Maximum comfort for day to day usage is the quality standard of EnerCharge charging technology. This includes the transparent, NFC-compatible payment process – which is similar to the payment at a petrol station – with all common debit, credit, and fleet cards – without any requirement to register. The costs of each individual charge are fully transparent, thanks to price labeling on the display. An automatic receipt creation follows the charging process. Alternatively, common charging cards can also be integrated via OCPP 2.0.1. Naturally, our products comply with the German Standard Weights and Measures Law.

Recommended Application of EC-Products	Electric Motorbikes	Electric Cars	Light Commercial Vehicles	E-Buses and E-Trucks
DC Wallbox	✗	✗	✗	
Fast Charger	✗	✗	✗	
Compact Charger	✗	✗	✗	
DC Pillar				✗

Our product range offers maximum flexibility and therefore also meets individual requirements. In addition, the external power unit (DC PowerUnit) or the CompactCharger ECC320 can be upgraded at a later time. This allows you to optimize the charging performance according to individual requirements. The EnerCharge charging management also guarantees future-proofness, because our system allows for an easy expansion of charging points at any time.

Datasheet DC Pillar

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: 4010 / 200 / 460 mm (incl. cable management) H / W / D: 2510 / 200 / 460 mm (incl. cable management) H / W / D: 2005 / 200 / 200 mm (without cable management)
Weight (max.)	203 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.: - 30 to + 45 °C
Housing / Protection Type	stainless steel 1.4301 (AISI 304), robust design (IP55), white powder-coated
Custom Design	yes, with minimum order quantity

Operation

Display	Optional
Display Size (inches)	5"
Operation	buttons
Barrier-free	optional
Status Display (for user)	status-LEDs of charger, via 5" display, via online access

Charging Cable

Outlets (DC)	1
Charge Points	1
No. of Charging Cables	1
Charging Cables with Fluid Cooling	no
Simultaneous Charging of Multiple Vehicles	no
Cable Length (from outside of housing, incl. charging connector)	5 m (without cable management) 5 m / 8 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)	Worldline VALINA

Standards and Certifications

Verifiably complies with the following standards (test reports available)	fullfilled upon receipt of the test report
Complies with basic technical standards:	in progress
IEC 61851-1	in progress
IEC 61851-23	in progress
IEC 61851-21-2:2018	in progress
DIN SPEC 70121:2014	yes
DIN EN ISO 15118-1/2	yes
German Standard Weights and Measures Law ("Eichrecht")	in progress
IEC 62196-3	yes, via charging cable manufacturer

Extras

Interface for Energy Management	only via associated PowerUnit
Display of Ads	no
Operator Service Portal	location-independent self-management via online access
Remote Updates	yes

Datasheet DC Wallbox

Technical Data DC

Nominal Voltage	1000 V$_{DC}$
Nominal Voltage Peak (max. charging current)	134 A
Maximum Rated Power	40 kW
Charging Connector	CCS Combo-2

Technical Data Housing

Dimensions	H / W / D: 703 / 410 / 330 mm (without plug holder)
Weight (max.)	108 kilograms
Place / Type of Installation	wall / steel base
Humidity (relative)	5-95% non-condensing
Temperature Ranges	environment / storage / transport: - 25 to + 45 °C
Housing / Protection Type	stainless steel 1.4301 (AISI 304), robust design (IP44), white powder-coated
Custom Design	yes, with minimum order quantity

Operation

Display	yes
Display Size (inches)	5"
Operation	touch
Barrier-free	depending on the installation
Status Display (for user)	status-LEDs of charger, via touch-display, via online access

Charging Cable

Outlets (DC)	1
Charge Points	1
No. of Charging Cables	1
Charging Cables with Fluid Cooling	no
Simultaneous Charging of Multiple Vehicles	no
Cable Length (from outside of housing, incl. charging connector)	4,5 m (without 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)	Worldline VALINA

Standards and Certifications

Verifiably complies with the following standards (test reports available)	fullfilled upon receipt of the test report
Complies with basic technical standards:	in progress
IEC 61851-1	in progress
IEC 61851-23	in progress
IEC 61851-21-2:2018	in progress
DIN SPEC 70121:2014	yes
DIN EN ISO 15118-1/2	yes
German Standard Weights and Measures Law ("Eichrecht")	in progress
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

Datasheet Compact Charger ECC 320 Dual

Technical Data DC	
Nominal Voltage	1000 V$_{DC}$
Nominal Voltage Peak (max. charging current)	500 A
Maximum Rated Power	320 kW
Charging Connector	1. CCS Combo-2 2. CHAdeMO

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 / transport: - 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	optional
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. Feig cVEND PIN 3. CCV IM30 (from Q3/2024)

Standards and Certifications	
Verifiably complies with the following standards (test reports available)	fullfilled upon receipt of the test report
Complies with basic technical standards:	in progress
IEC 61851-1	in progress
IEC 61851-23	in progress
IEC 61851-21-2:2018	in progress
DIN SPEC 70121:2014	yes
DIN EN ISO 15118-1/2	yes
German Standard Weights and Measures Law ("Eichrecht")	Module B and Module F fulfilled, Module D in progress
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

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Datasheet Compact Charger ECC 400 Dual

Technical Data DC

Nominal Voltage	1000 V$_{DC}$
Nominal Voltage Peak (max. charging current)	500 A
Maximum Rated Power	400 kW
Charging Connector	1. CCS Combo-2 2. CHAdeMO

Technical Data Housing

Dimensions	H / W / D: 1996 / 808 / 799 mm (without cable management) H / W / D: 1996 / 1161 / 799 mm (with cable management)
Weight (max.)	max. 529 kilograms
Place / Type of Installation	interior/exterior, floor-mounting on concrete base (foundation)
Humidity (relative)	5-95% non-condensing
Temperature Ranges	environment / storage / transport: - 25 to + 45 °C
Housing / Protection Type	stainless steel 1.4301 (AISI 304), robust design, 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	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. 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")	in progress
IEC 62196-3	yes, via charging cable manufacturer

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

Datasheet Fast Charger EC 500 Dual

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, 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. 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

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

Datasheet
DC PowerUnit

Technical Data DC

Nominal Voltage	1000 VDC
Nominal Voltage Peak (max. charging current)	max. 500 A
Maximum Rated Power	240 kW
Charging Connector	–

Technical Data Housing

Dimensions	H / W / D: 1850 / 1250 / 430 mm (floor space) W / H: 1390 / 545 mm (incl. roof overhang)"
Weight (max.)	max. 420 kilograms
Place / Type of Installation	"interior/exterior, floor-mounting on concrete base (foundation)"
Humidity (relative)	5-95% non-condensing
Temperature Ranges	environment / storage / transport: - 25 to + 45 °C
Housing / Protection Type	stainless steel 1.4301 (AISI 304), robust design (IP44), white powder-coated
Custom Design	yes, with minimum order quantity

Operation

Display	no
Display Size (inches)	–
Operation	–
Barrier-free	–
Status Display (for user)	–

Charging Cable

Outlets (DC)	2 (dual) or 4 (quadruple)
Charge Points	–
No. of Charging Cables	–
Charging Cables with Fluid Cooling	–
Simultaneous Charging of Multiple Vehicles	–
Cable Length (from outside of housing, incl. charging connector)	–

Billing System / Authentication

NFC Reader	–
Energy Meter (MID)	–
Authentication of Charging Process	–
Direct Payment	–
Payment Options (app, card, etc.)	–
Payment Terminal Hardware (manufacturer, configuration)	–

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	non-applicable
DIN EN ISO 15118-1/2	non-applicable
German Standard Weights and Measures Law („Eichrecht")	-
IEC 62196-3	non-applicable

Extras

Interface for Energy Management	yes, modbus TCP server
Display of Ads	no
Operator Service Portal	-
Remote Updates	yes

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