

Flexcharge3™

DC fast charger for electric vehicles (35 kW - Combo CCS)

CCS L
DC 35 kW



Physical

Dimensions without connector (W x H x D):

500 x 900 x 220 mm

Mounting: wall-mounting or pedestal
(sold separately)

Weight: approx. 40 kg

Enclosure: 1.5 mm stainless steel (304L)

Front panel: 3 mm thick PMMA panel with customizable printing on request

Connectors: 1x CCS2 plug with 2.7 m cable
(other lengths on request)

Recharge

Output voltage range: 200...920 VDC
(compatible with 400 V and 800 V EVs)

Output current range: 0...95 A

Max output power: 5...35 kW
(adjustable with 1 kW steps)

Electrical

Mains input: 3P + N + PE

Earthing system: TT / TN

Input voltage range: 360...480 VAC, 47...63 Hz

Input max. current: 60 A

Input max. apparent power: 37 kVA

Power factor at full-load: $\lambda < 0.99$

AC to DC conversion efficiency: ~97%
(excl. auxiliaries power consumption)

Standby power consumption: <15 W
(excl. credit card terminal)

Power supply cable cross-section:
Copper 5G 16...25 mm²

Upstream protection devices required:
4-pole type-A 30 mA RCD + 4-pole 63 A C-curve
MCB (sold separately)

User interface

Main display: 7" high brightness, 1000 nits, IPS panel

Buttons: 3 backlit push buttons

Card reader: NFC MiFARE™ for authentication and access control

Optional: credit card terminal

Status indicator: RGB LED signalization on the left and right sides of the charger, representing the current status of the charger

(green: available, blue: occupied/charging, red: unavailable/fault)

Connectivity

Ethernet: 100 Mbps 8P8C

WLAN: 802.11g 2.4 GHz
(hotspot mode for configuration only)

Web-based management interface
(Effektiv dashboard)

Autocharge (based on EVCC ID)

OCPP 1.6J (JSON)

Environment

Working temperature: -20 / +50°C
(with output power derating above 40°C)

Storage temperature: -20 / +70°C

Max humidity: 95% without condensing

Noise level: <57 dBA
(at 2 m, full output power, 20°C ambient)

Protection rating: IP54

Protections

DC output continuous voltage/current monitoring

DC output continuous insulation monitoring (IMD)

DC output fuse

AC input and DC output contactors

AC input surge varistors

Enclosure internal temperature/humidity monitoring

CCS plug DC+/DC- pins temperature monitoring

CP/PP voltage monitoring

PE loss detection

Compliance

CE

IEC 61851-1

IEC 61851-23

IEC 61000-6-2

LVD 2014/35/EU

RED 2014/53/EU

Limited warranty

18 months

effektivcharging™

PRELIMINARY DATA

All features, functionality and other product specifications can be subject to change without prior notice.

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