

F DC **390** 2CCS

**DC**  
Chargers  
**ELEVAT**

## F DC **390** 2CCS

### Product information

Charging type: DC fast charging and AC charging  
Outlet options: 2 x CCS cable, AC Type-2 socket or plug,  
Schucko AC

### INPUT

Input AC power rating 500A, 390 kVA@50Hz  
Input voltage range 400 VAC +/- 10%  
(50 Hz or 60 Hz)

### OUTPUT

DC output power rating 2 x 180 kW / max 300 A  
DC output voltage 200 V to 1.000 V  
AC output power rating to 22 kW Type 2  
+ 2 x 3,7 kW Schucko  
Number of EV served 5  
Cable length 5 m

### GENERAL CHARACTERISTICS

CCS cables maximum current 2 x 300 A  
Electro-Magnetic Class B (Residential)  
Compatibility conducted and Class B  
(Residential) radiated emissions  
according to EN 61000-6-3:2007  
Network type TN-S, TN-C, TN-C-S, TT  
(Requires external RCD)  
Connector types 3P + N + PE  
Protection Overcurrent, overvoltage,  
undervoltage, ground fault including  
DC leakage protection,  
integrated surge protection  
Overvoltage category Type II  
Power factor (full load) > 0.99  
THDi < 4%  
Efficiency 96% (peak)  
Standby power 120 W  
Short circuit current 10 kA  
Pre- charge current < 1 A  
Inrush current < 50 A  
Leakage current 0.03 A  
Energy metering : MID metering for AC and DC outlets



**SPEEDPOWERELEVAT**CHARGERS

**RAL Colors**

**Color combinations**

**YourLOGO**



**Desired colour RAL matt. + Your Brand LOGO**

## CELLULAR COMMUNICATION

User interface Connectivity" WiFi  
 Internet access via Internet access via 4G /  
 4G / 3G / Ethernet (RJ45) 3G / Ethernet (RJ45)  
 User authentication App Phone Call, smart App,  
 ISO 15118 Plug'n'Charge,  
 RFID, PIN code App  
 User interface Mobile App, Phone Call,  
 22" LCD high-contrast touchscreen  
 Communication protocols Elevat ePD 3.0, OCPP  
 1.5 / 1.6 / 2.0 and OPC-UA OCPP  
 RFID Reader ISO 14443 A + B to part 4  
 and ISO/IEC 15693, Mifare, NFC,  
 Calypso, Ultralight, PayPass, HID; and more  
 Emergency button Yes  
 Software update  
 over-the-air updates via ELEVAT system  
 Control and configuration  
 Elevat portal, on-board  
 Service Portal, ePD 3.0

Multilanguage system Slovenian, Croatian, Serbian,  
 English, Italian, Spanish,  
 German and more

## TECHNICAL SPECIFICATIONS

IP and IK rating IP-54 and IK-10 (cabinet)  
 / IK-8 (touchscreen)  
 Enclosure type Stainless steel  
 Operational altitude Up to 2000 m  
 Operating temperature range -35 °C to +55 °C  
 Temperature derating up to 40 °C: 100% output power  
 Above 40 °C: no de-rating for the first 15 minutes;  
 afterward, 1% power reduction every 1 °C  
 Storage temperature range -40 °C to +70 °C  
 Humidity 2 10-95 % Rh non-condensing  
 Mounting Free-standing cabinet  
 Dimensions (H x W x D) 2600 x 1005 x 940 mm  
 Mass (kg) 320-520  
 Charging system IEC 61851-1 ed 3, IEC 61851-21-2 ed 1,  
 IEC 61851-23 ed 1, IEC 61851-24 ed 1,  
 IEC 62196-2, IEC 62196-3, IEC 61000  
 Communication to the EV DIN 70121, ISO/IEC 15118  
 series ed 1 with PnC and EIM,  
 CHAdeMO 1.2  
 Communication to the backend ePD 3.0, OCPP 1.6 JSON  
 Safety Risk assessment, Fire analysis  
 Warranty Base warranty 24 months  
 after Site Acceptance Test or  
 36 months after factory delivery.  
 Warranty extensions available

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