

Technical Datasheet

Elli Charger 2 | ID. Charger 2 | Škoda Charger | CUPRA Charger 2

Model name	Connect 2 - 11 kW	Connect 2 - 22 kW	Charger Pro 2	Charger Pro 2 Eichrecht ¹
Type	ENG11E102	ENG22E102 ENG22E104 ENG22E107	ENG22E212 ENG22E214 ENG22E217	ENG22E222 ENG22E224
Electrical data				
Max. charging capacity [kW] ²	Single-phase: 3.7 3-phase: 11	Single-phase: 7.4 3-phase: 22	Single-phase: 7.4 3-phase: 22	Single-phase: 7.4 3-phase: 22
Min. charging capacity [kW] ³	0.023	0.023	0.023	0.023
Adjustable charge current (A)	6 A - 16 A	6 A - 32 A	6 A - 32 A	6 A - 32 A
Rated current [A]	16	32	32	32
Grid frequency [Hz]	50/60			
AC rated voltage [V]	220-240 / 380-415	220-240 / 380-415	220-240 / 380-415	230/400
Terminal clamps (clampable cable cross-section)	2.5 - 6 mm ²	2.5 - 10 mm ²	2.5 - 10 mm ²	2.5 - 10 mm ²
Fault current monitoring	DC IΔN 6mA			
Standby power consumption	< 6.5 W	< 6.5 W	< 8 W	< 8 W
Integrated residual current device	no			
Charging plug	Type 2 (EN 62196-2)			
Charging mode	Mode 3 (EN IEC 61851-1)			
Applicable standards	IEC 61439-7 IEC 61851-1			
Charging communication	EN IEC 61851-1 ISO 15118-2			

¹ Only Elli brand charger models ENG22E222 and ENG22E224 in Germany and Austria.

² Max. charging power dependent on overall system incl. vehicle. Possible to reduce max. charging power to desired setting on charger.

³ Min. charging power dependent on overall system incl. vehicle (ISO 15118 communication required).



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Technical features				
Authorization	RFID App Instant Charging (without authorization)			
Internet- / network communication	WiFi 2.4 GHz (Accesspoint, Client) Ethernet 100 Mbit/s (RJ45)	WiFi 2.4 GHz (Accesspoint, Client) Ethernet 100 MBti/s (RJ45) LTE ⁴	WiFi 2.4 GHz (Accesspoint, Client) Ethernet 100 Mbit/s (RJ45) LTE ⁴	WiFi 2.4 GHz (Accesspoint, Client) Ethernet 100 Mbit/s (RJ45) LTE ⁴
Communication protocols	OCPP 2.0.1 (Elli Backend) OCPP 1.6 (Open Backend) EEBUS Modbus TCP/RTU			
Compliant with German calibration law	-	-	-	yes
Accuracy class	-	-	-	A
Energy meter	Integrated	Integrated	MID meter	Calibration law meter
SIM card holder	-	-	yes ⁵	yes ⁵
Local optimization features	Overload Protection Load Management Hub/Satellite			
Backend-based optimization features	Solar Forecast Charging Solar Surplus Charging ⁶ Price Optimized Charging			
Status and user interface	LEDs Charger config/Mobile app			

⁴ When using our backend, eSIM included, with a 10-year term.⁵ Only Elli chargers with part numbers 139915006F, 139915006G, 139915007K, 139915007L, 139915007M, 139915008B, 139915008C (see type plate ACNG: 13991500xx). For Micro-SIM card (3FF) for use with Open Backend.⁶ Function can be activated locally via wallbox configuration or via app.



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Mechanical data				
Dimensions (H x W x D) [mm]	372 x 260 x 116	372 x 260 x 116	372 x 260 x 116	372 x 260 x 116
Charging cable length [m]	4.5 or 7.5	4.5 or 7.5	4.5 or 7.5	7.5
Weight (with cable) [kg]	4.17 (4.5 m cable) 4.89 (7.5 m cable)	5.33 (4.5 m cable) 6.87 (7.5 m cable)	5.7 (4.5 m cable) 7.24 (7.5 m cable)	7.31
Protection class	IP55			
Impact resistance grade	IK10			
Environmental and storage conditions				
Operating temperature [°C] min./max.	-25 - +50	-25 - +45	-25 - +40	-25 - +40
Storage temperature [°C]	-30 - +80			
Max. humidity [%]	85 (non-condensing)			
Max. altitude [m]	2.000			
Max. noise Emission [dB]	35			
Electromagnetic environmental conditions	-	-	-	E2
Mechanical environmental conditions	-	-	-	M1
Frequency bands and transmission power				
Wi-Fi [Band, Channel: max. radiated transmission power]	Wi-Fi 2,4 GHz, Kanal 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13: 100 mW			
Mobile Network [Band, Channel: max. radiated transmission power]	GSM 1800 MHz: 30 dBm GSM 900 MHz: 33 dBm GSM 1900 MHz: 30 dBm GSM 850 MHz: 38 dBm LTE B1, B3, B5, B7, B8, B20, B28: 23 dBm			
RFID [Band, Channel: max. radiated transmission power]	RFID 13,56 MHz: 620 mW			

The values are based on the manufacturer's specifications.

Manufacturer of this charger:
Kontron eSystems GmbH
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73240 Wendlingen
Germany