

E-MOBILITY

DC FAST-CHARGING STATION

elexon
powering the future

exHPC80-CCS

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The modular design allows easy adaptation to individual requirements: charging capacity, number of charging points, communication.

- ✕ Charging capacities up to 80 kW
- ✕ Wide battery voltage coverage
- ✕ Customized housing design possible
- ✕ Decentralized charge management
- ✕ Backend connection for dynamic load balancing
- ✕ Complete installation and service



We also offer the installation and integration of photovoltaic systems and battery energy storage systems as a 360° system integrator!

www.elexon-charging.com

X GENERAL

Product designation	exHPC80-CCS
Dimension	1000 x 2000 x 700 mm (W x H x D)
Weight	≤500 kg
Locking device	Double closure
Assembly	Foundation with integrated cable routing

X CHARGING POINT

Number of charging points	2
Connector	CCS Combo 2
Power supply	2x 40kW or 1x 80 kW
Max. output voltage	200 – 1000 V
Max. output current	Depending on configuration up to 200A
Cable length	5 m
Electrical safety	DC Over current protection, Surge protection device, emergency stop protection, overload protection, short circuit protection, electric leakage protection, overcharge protection, overvoltage protection, under voltage protection, reverse connect protection, over temperature protection
Authentication	RFID Option: Plug'n charge in case of communication failure
User interface	7 inch touchscreen display
Status display	Charging status, battery SOC, power, time Optional: Customized configurations

X GRID CONNECTION

Overvoltage protection	Combined arrester type 1+2+3
Surge voltage strength	4 kV – Overvoltage category III
Nominal voltage	400 V +/- 10 %, 3-phase 3L + N + PE
Max. rated current	Depends on configuration
Nominal frequency	50/60 Hz
Supported mains	TT, TN-S, TN-C
Power factor	0.99
THDI	<5%
Efficiency	95% (at half load)

X OPERATING CONDITIONS

Location	Indoor / outdoor
Operating temperature	-25°C – +45°C (with power derating up to 65 °C)
Temperature management	Active cooling, over-temperature protection
Perm. humidity	5% - 95% (non-condensing)
Altitude	<2000 m
Protection class	IP55
Mechanical protection class	IK10

X COMMUNICATION

Interface	Ethernet LAN
Backend connection	OCPP 1.6J (2.0 upgradable), GSM modem, Charging power control by network operator possible

X OPTIONS

Visual design	Customized foiling solutions available
Charging point power variations	From 60kW (single) in 20kW steps with single or double outlets possible
Housing	Robust stainless steel
Energy meter	High precision meter (MID conformity)

X CONFORMITY

Conformity	CE, IEC 61851, 62196
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