



PRODUCT DATASHEET

DC FAST-CHARGING STATION

The modular design is easily adapted to individual requirements: charging power, number of charging points, communication.

- › Charging power of up to 480kW. Can be distributed flexibly over several charging processes.
- › Covers a wide range of the battery voltages common on the market
- › Housing can be foiled to suit customer requirements
- › Dynamic load management thanks to backend connection
- › Dynamic power allocation of several simultaneously active charging processes
- › Complete installation service and maintenance

GENERAL INFORMATION

Housing	Stainless steel powder-coated	Mounting	Foundation with integrated cable guide
External design	Customized foiling available		

CHARGING POINTS

Number of charging points	2	Cable length	5 m
Plug	CCS 2	Authentication	RFID, optional: Plug'n Charge in the event of a communication failure
Max. output voltage	200 – 1000 V	Status display	Charging status, battery SoC, power, time; Optional: custom configurations
Max. output current	Up to 200A depending on configuration		

MAINS CONNECTION

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

OPERATING CONDITIONS

Location	Indoor/outdoor	Altitude	<2000 m
Operating temperature	-25°C - +45°C (at reduced power up to 65°C)	Protection class	IP55
Thermal management	Active cooling, overtemperature protection	IK protection rating	IK10 (IK09 display)
Permissible humidity	5% ... 95% (non-condensing)		

COMMUNICATION

Interfaces	Ethernet LAN
Backend connection	OCPP 1.6J (2.0 expandable), GSM modem, power control by network operator (optional)

NORMS & STANDARDS

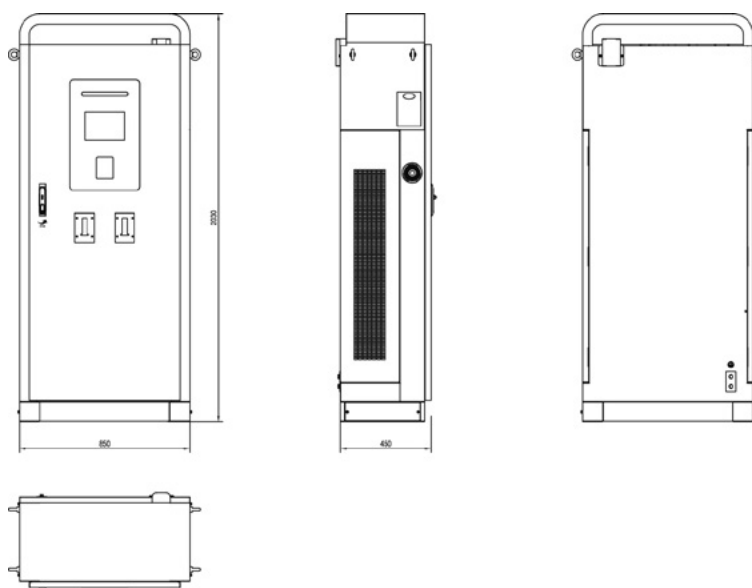
Norms	IEC 61851, IEC 62196, DIN 70121, ISO 15118
EMV	Class A

sxHPC80

Product name	sxHPC80
Dimensions	850 x 2030 x 450 mm (W x H x D)
Weight	≤ 300 kg
Max. charging power	2x 40 kW or 1x 80 kW
User interface	Touch display, 7"
Safety	DC overcurrent protection, overvoltage protection, emergency stop device, overload protection, short circuit protection, leakage current protection, overcharge protection, undervoltage protection, reverse polarity protection, overtemperature protection, insulation monitoring
Conformity	CE, TUV, UKCA, RCM

CONFIGURATIONS

Charging station power variants	40 kW, 60 kW, 80 kW
Energy meter	High-precision measuring device (MID conformity)

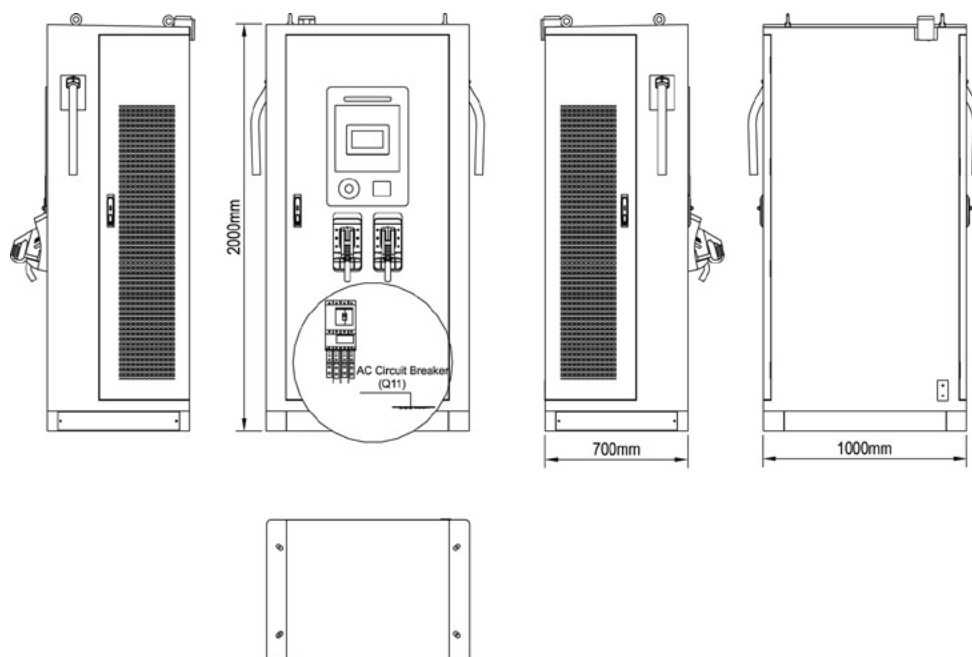


sxHPC160

Product name	sxHPC160
Dimensions	1000 x 2000 x 700 mm (W x H x D)
Weight	≤ 465 kg
Max. charging power	2x 80 kW or 1x 160 kW
User interface	Touch display, 7"
Safety	DC overcurrent protection, overvoltage protection, emergency stop device, overload protection, short circuit protection, leakage current protection, overcharge protection, undervoltage protection, reverse polarity protection, overtemperature protection, insulation monitoring
Conformity	CE, TUV, UKCA, TR25, RCM

CONFIGURATIONS

Charging station power variants	60 kW, 80 kW, 120 kW, 160 kW
Energy meter	High-precision measuring device (MID conformity)

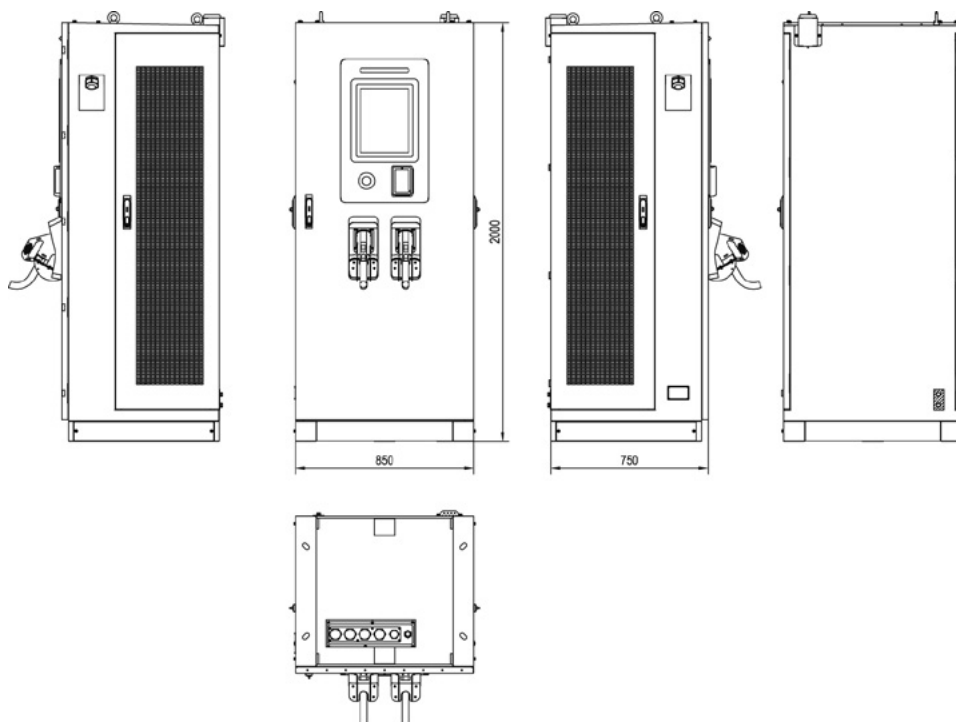


sxHPC240

Product name	sxHPC240
Dimensions	850 x 2000 x 750 mm (W x H x D)
Weight	≤ 500 kg
Max. charging power	2x 120 kW or 1x 240 kW
User interface	Touch display, 15"
Safety	DC overcurrent protection, overvoltage protection, emergency stop device, overload protection, short circuit protection, leakage current protection, overcharge protection, undervoltage protection, reverse polarity protection, overtemperature protection, insulation monitoring
Conformity	CE, TUV, RCM

CONFIGURATIONS

Charging station power variants	200 kW, 240 kW
Energy meter	High-precision measuring device (MID conformity)



sxHPC480

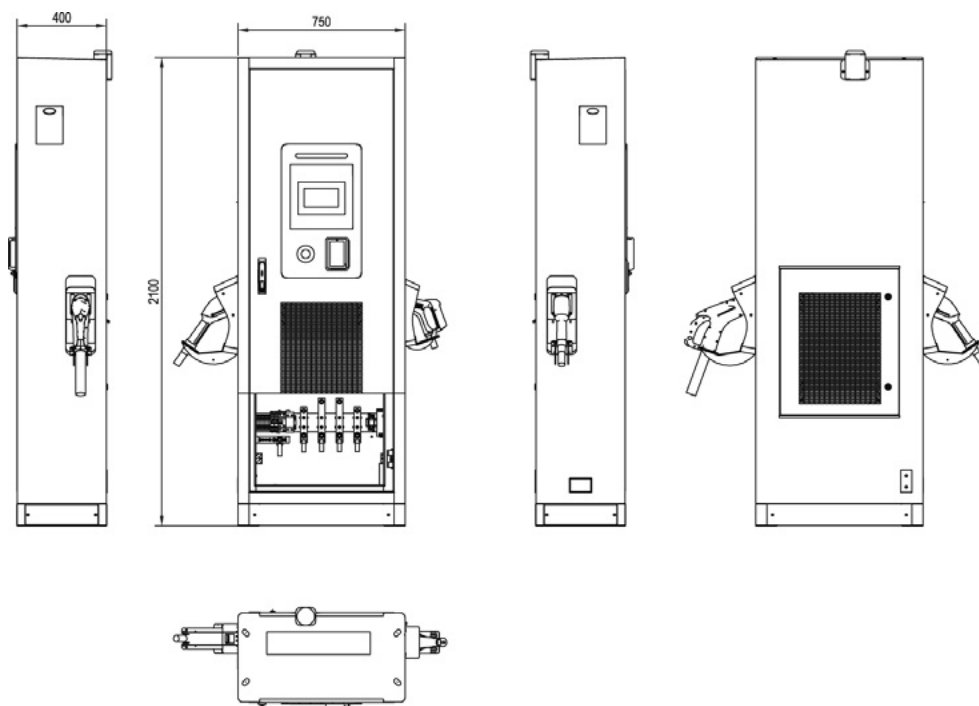
Product name	sxHPC480
Conformity	CE, TUV, RCM, UKCA

CHARGING TERMINAL

Dimensions (W x H x D)	750 x 2100 x 400 mm
Weight	≤ 225 kg
Max. charging current	Standard: 200 A, liquid-cooled: 500 A
User interface	Touch display, 7"
Safety	Insulation monitoring, grounding monitoring, communication cable monitoring

CONFIGURATIONS

Max. number of charging terminal	1 – 3
Energy meter	High-precision measuring device (MID conformity)

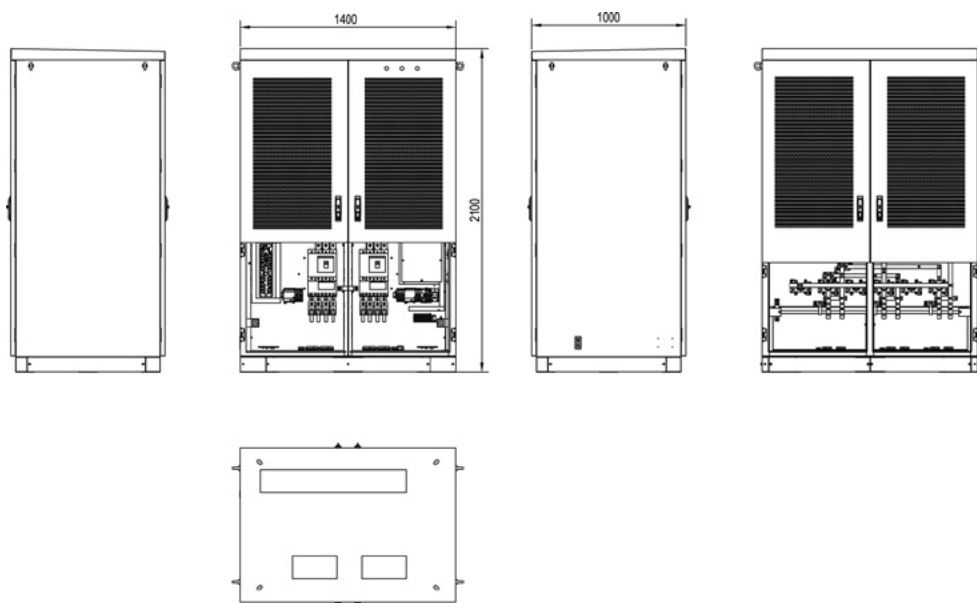


POWER BANK

Nominal power	360 - 480 kW
Output voltage	150 – 1000 V DC
Max. output current	1206 - 1608 A
Peak efficiency	> 94 % (at 50% load)
Dimensions (W x H x D)	1400 x 2100 x 1000 mm
Weight	≤ 850 kg

CONFIGURATIONS

Max. number of power banks	1 – 2
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WE MAKE CLIMATE-NEUTRAL MOBILITY POSSIBLE

At elexon, we develop charging infrastructures and on-site power generation systems as holistic plug-and-play solutions. Our mission: to deliver reliable products and services in order to make sustainable, climate-neutral and at the same time economically high-performing corporate mobility a reality in the future.

Further information about our DC charging station:

www.elexon-charging.com/en/products-dc-charging-station

elexon GmbH
Gewerbepark Brand 70
52078 Aachen / Germany

Telephone: +49 241 894363-0
info@elexon-charging.com
www.elexon-charging.com



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