

C7 Ultra-Fast Charger

Up to **400** kW



Product Overview

The C7 Ultra-fast Smart DC Charging Station features a barrier-free, dual-outlet design optimized for public parking environments. Equipped with an HMI touchscreen, high-efficiency power modules, an intelligent control system, an integrated cable management system, and HPC liquid/air-cooled charging cables, it fully complies with OCPP 1.6J and 2.0.1 protocols. Supporting 4G/5G/Ethernet connectivity, it enables remote diagnostics, configuration, and seamless OTA updates.

Product Features



Barrier-free Design:

- The connector and HMI design of the C7 adhere to accessibility regulations (DIN 18040-3).
- The barrier-free design ensures it is user-friendly and easily accessible to all individuals, including those using wheelchairs.



High Power Output:

- The C7 is capable of delivering up to 400 kW of power at a maximum of 600A, significantly reducing charging time.
- Its versatile, mechanically compatible design ensures a reliable high-power DC charging experience across a range of 200-1000V, making it suitable for various business applications.



Modern and Powerful Presence:

- The C7 features an HMI display with a simple, intuitive user interface, complemented by a large 1080p screen for additional advertising.
- Its robust housing and dynamic LED lighting give it a modern, distinctive appearance, making it both functional and visually striking.



Integrated Cable Management:

- The integrated cable management system ensures easy and flexible access to various types of vehicles, while keeping the parking area safe and organized.



Easy Installation and Maintenance:

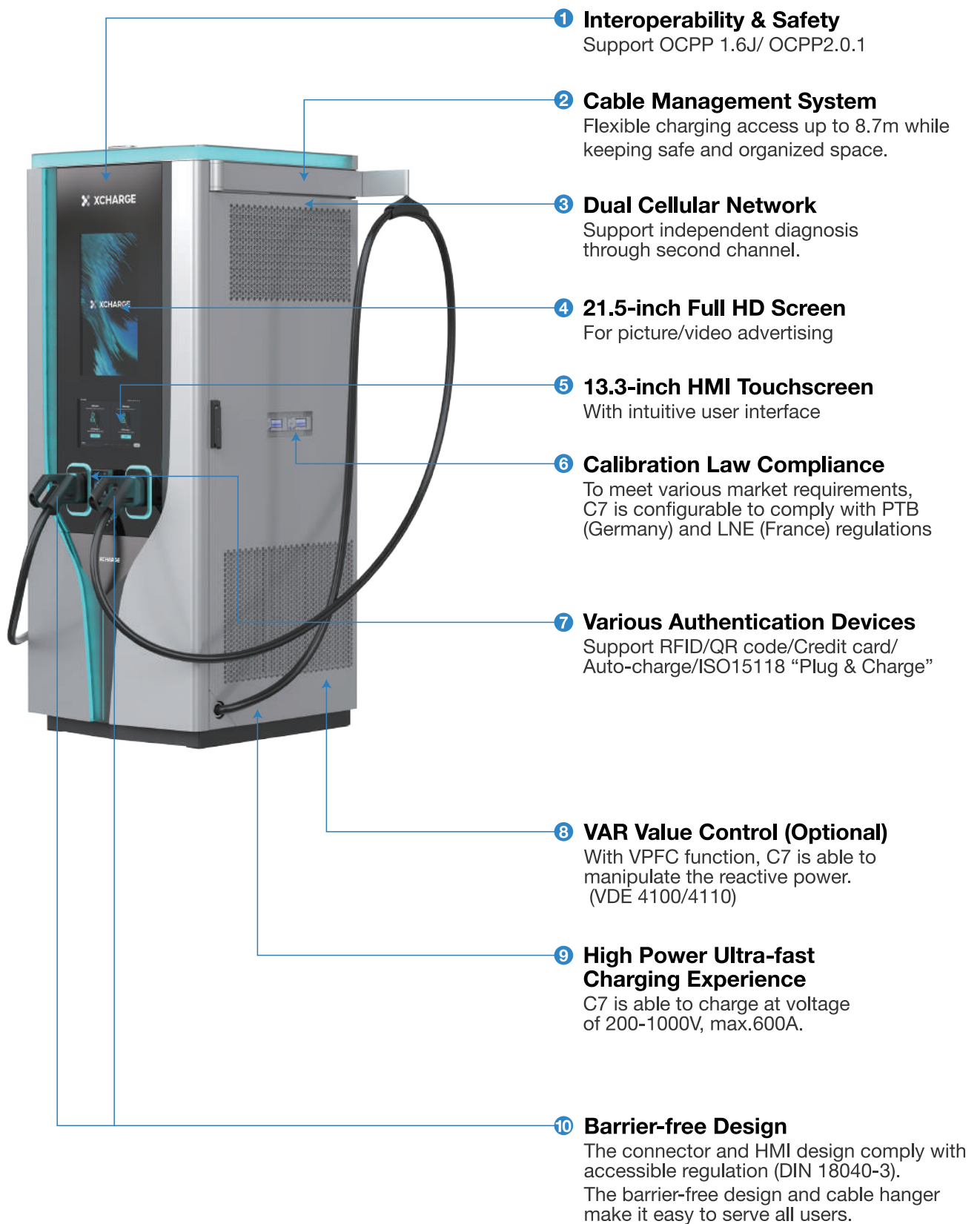
- With its compact size of 800x900x1992mm, the C7 can be easily installed in a variety of charging locations.
- Native support for OCPP and secure OTA updates simplify maintenance and enhance the system's resilience.



Customizable Branding:

- The C7 offers easy branding and color customization to help your brand stand out.
- Innovative LED lighting not only indicates charger availability and state-of-charge but also enhances brand visibility with customizable LED colors and branding options.

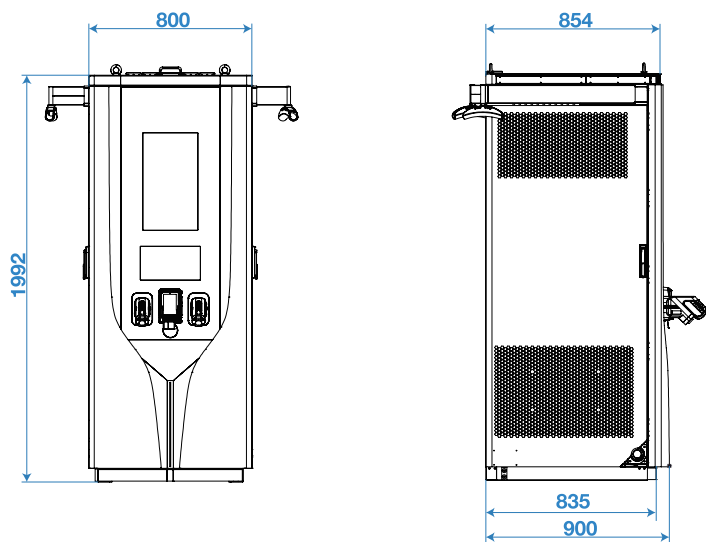
System Overview



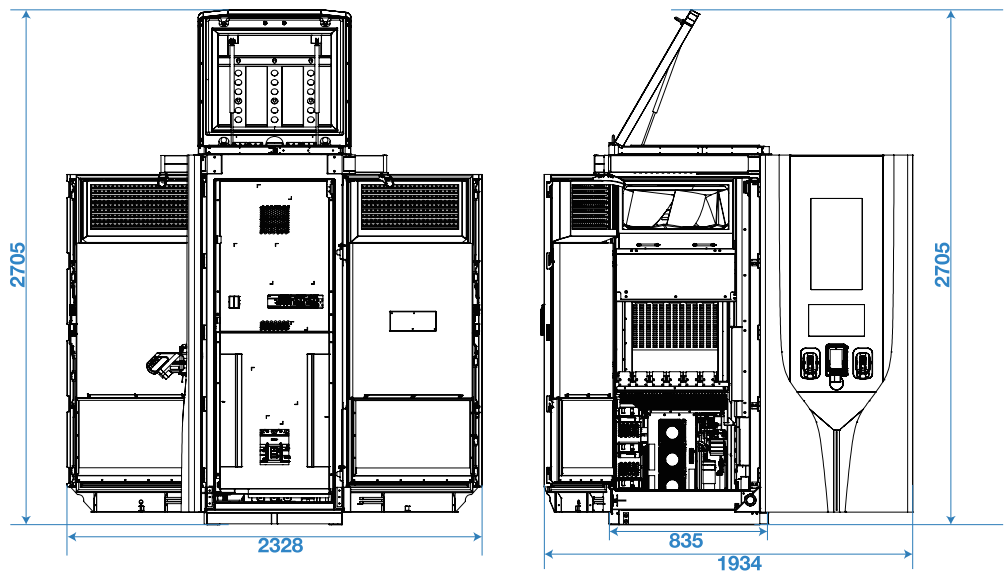
Mechanical Dimensions

Unit: mm

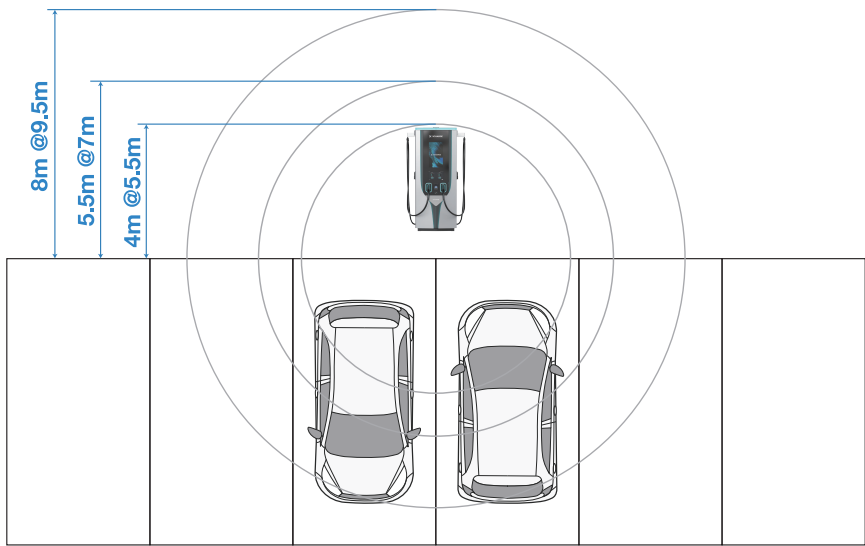
Door closed:



Door Opening Size:



Cable Reach:



Technical Specification

Product Model		C7 Ultra-Fast Charger	
General Features	Maximum Power Output	400kW	
	Authorization	RFID / QR code / Credit card / Auto-charge / ISO15118 "Plug & Charge"	
	Dimensions	800x900x1992mm	
	Weight	Approx. 800kg	
	Housing Material	Industrial alloy with weatherproof coating	
	Installation	On ground, Indoor/ Outdoor	
	HMI & Plug Operation Height	85-105cm	
	Operation Temperature	-25°C ~ 50°C	
	Noise	< 75dB at distance of 1m (steerable via preset silent mode sent by backend)	
	Humidity	≤ 95% No condensing	
	Altitude	≤ 2000m	
Electrical Features	RFID/NFC	ISO/IEC 14443A/B, 14443-4A/B, M1(S50/70) card	
	Network Adapter	Cellular(4G/5G), Ethernet RJ-45	
	HMI	13.3 inch 1920x1080 LCD Touch Screen	
	Advertisement	21.5 inch 1920x1080 LCD Screen	
	External Control System	Modbus TCP Client supported	
	OCPP Protocol	OCPP 1.6J/ OCPP2.0.1	
	THD	< 5% (steerable via central control on site)	
	Power Efficiency	≥ 94%	
	Metering	DC Meter (with PTB or LNE compliance) AC Meter (for input measurement)	
	VAR Value Control	+0.9(inductive) ~ -0.9(capacitive) (optional)	
Input & Output	Input Voltage	3P+N 400V ±10%	
	Frequency	50±1Hz	
	Connectors	CCS2 (Liquid cooled cable)	CCS2 (Air cooled cable)
	Max. Output Power	240kW@400V	200kW@400V
		360kW@600V	300kW@600V
		400kW@700V	400kW@800V
	Max. Output Current Peak Value	600A	500A
	Max. Output Current Continuously	500A	250/375A
	Output Voltage Range	200-1000V	200-1000V
	Power Allocation	120-40-40-40-40-120kW (40kW step, 400kW in total)	
	Cable Length	5.5/7/9.5 m	
	Cable Cooling	Liquid-cooled / air-cooled	
Safety & Security	Compliance	IEC 61851-1:2011, IEC 61851-23:2014, IEC 61851-24:2014, IEC 62196-3:2014, DIN 18040-3, ISO 15118, DIN 70121-2014	
	Safety Protection	Over/Under voltage, Short circuit, Reverse connection, Grounding, Door switch, Smoke/Water ingress, Tilting.	
	Ingress Protection	IP54	
	Impact Resistance	IK10	
	Cyber Security	TLS 1.3	

MORE INFORMATION:

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