Smart DC Charger C6 EU
Up to 200kW

Product Overview

As a Red Dot Award winner, smart DC charger C6EU is configurable from 60kW to 200kW using 30kW or 40kW power modules. It features individual configuration options for the operator with flexibility for various authorization methods including POS terminal, RFID reader, App initiation, MAC address, or ISO15118 PnC. Customized exterior and UI are also available for larger order sizes.

Product Features

Advanced Performance:
- Eichrecht compliant
- CE certified
- Smart power allocation system on "first-come-first-serve" basis

Designed for Flexibility:
- Cable management systems for automatic retraction
- Exterior and UI customization for branding purposes
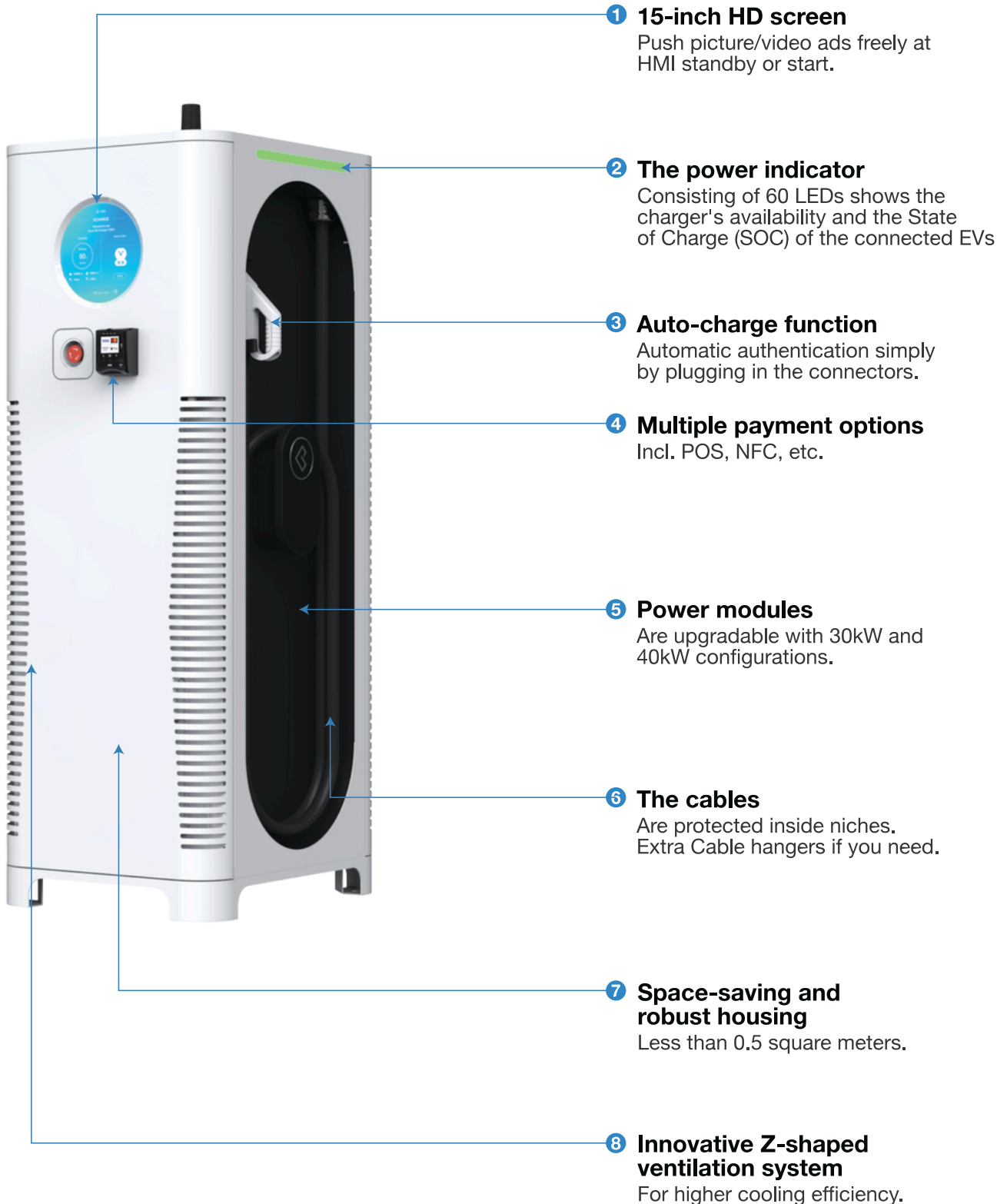
High-end Intelligence:
- Dual backend connection via OCPP 1.6/2.0.1
- Load management with or without backend connection
- OTA upgrade of Firmware and Software

All-round Safety:
- High cybersecurity level (TLS 1.2)
- Real-time overheat and overvoltage monitoring, smoke alarm, earthquake and flooding detection
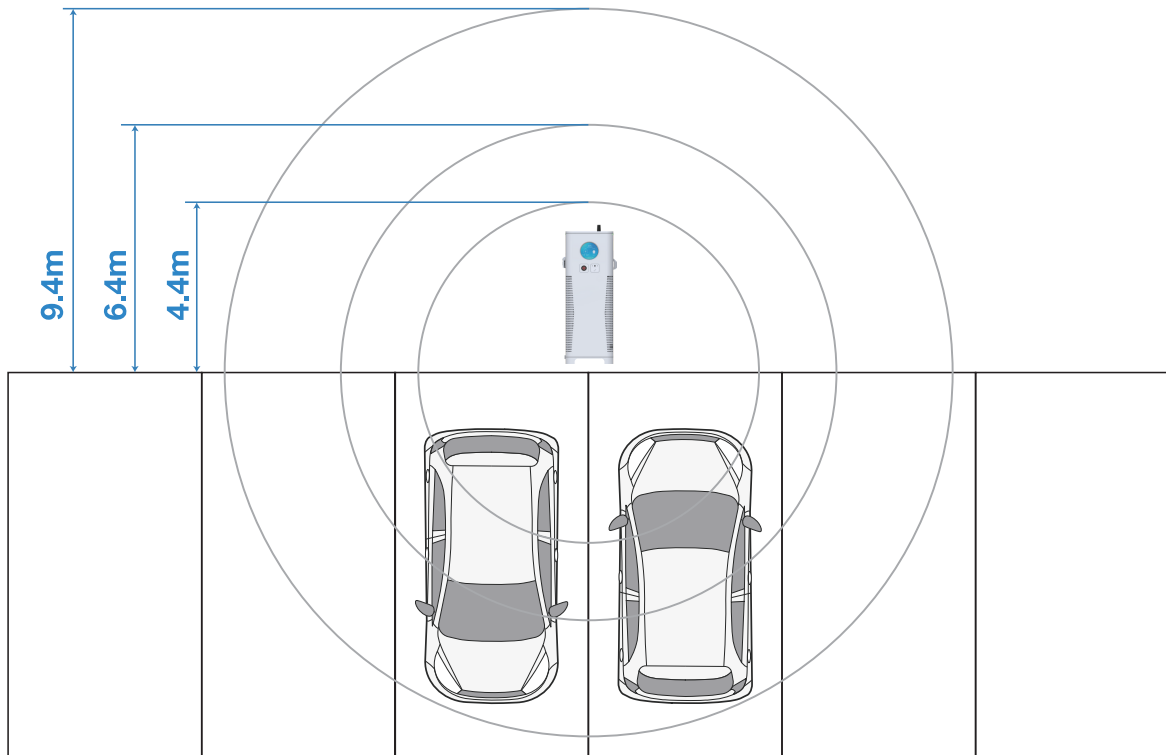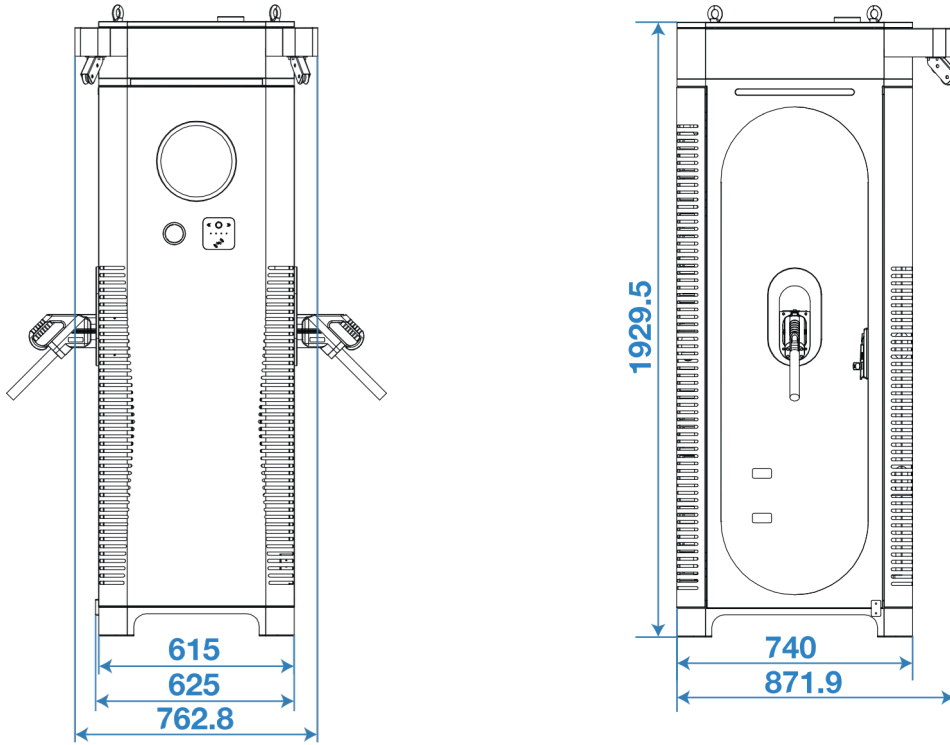
System Overview

❶ 15-inch HD screen
Push picture/video ads freely at
HMI standby or start.

❷ The power indicator
Consisting of 60 LEDs shows the
charger's availability and the State
of Charge (SOC) of the connected EVs

❸ Auto-charge function
Automatic authentication simply
by plugging in the connectors.

❹ Multiple payment options
Incl. POS, NFC, etc.

❺ Power modules
Are upgradable with 30kW and
40kW configurations.

❻ The cables
Are protected inside niches.
Extra Cable hangers if you need.

**❼ Space-saving and
robust housing**
Less than 0.5 square meters.

**❽ Innovative Z-shaped
ventilation system**
For higher cooling efficiency.

Techical Specification

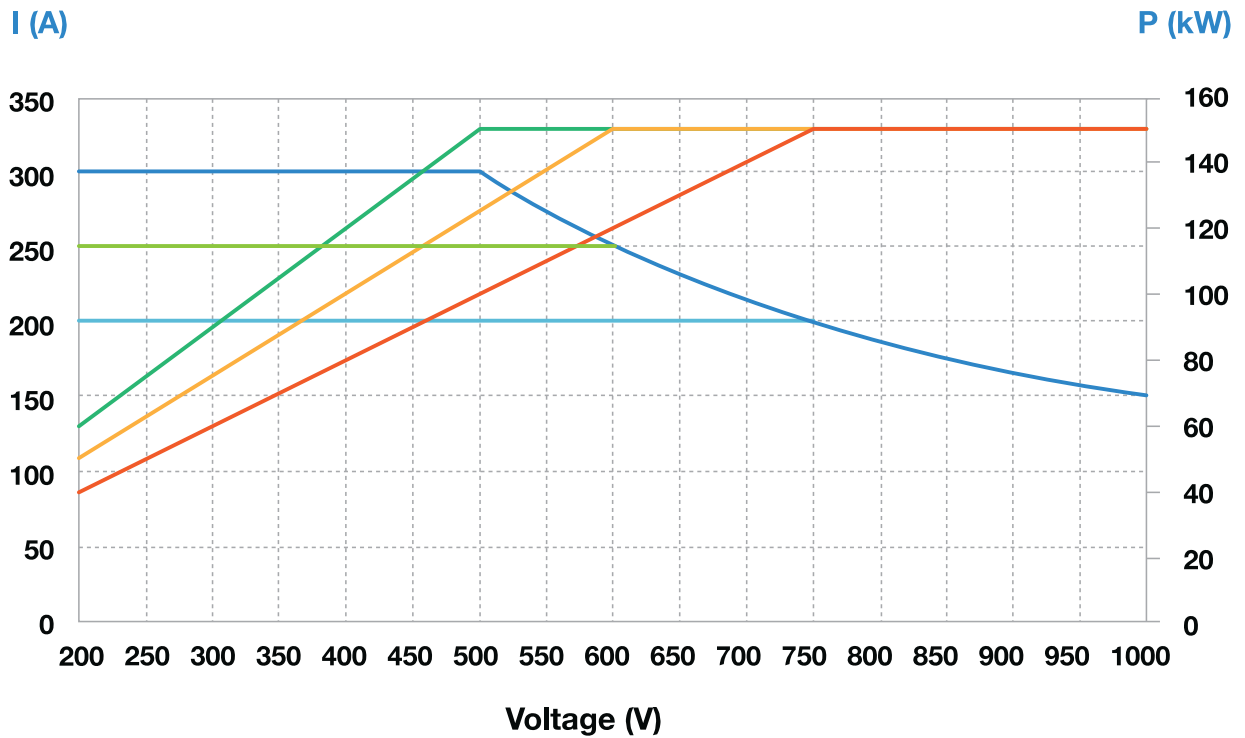| Product Model		C6EU
General Features	Dimensions(LxWxH)	615x740x1750mm / 615x872x1930mm (with cable management system)
	Weight	325kg - 395kg (depending on the amount of power modules)
	Connector	Single / Double CCS Combo 2 or CCS Combo 2 + CHAdeMO 2.0
Technical Parameters	Maximum Output Performance	60 to 150kW (in 30kW steps) or 80 to 200kW (in 40kW steps)
	Max. output current Peak value	500A (within 10 mins) / 400A (within 10 mins)
	Max. output current Continuously	300A / 250A
	Input Voltage	3-phase 400V$_{AC}$ ± 10%, 50/60Hz
	Efficiency	96% (at a nominal power output)
	Power Factor	99% (at a nominal power output)
	Total Harmonic Distortion (THD)	<5%
Communication	Communication Protocol	OCPP 1.6 J / S (1.6 Security & 2.0.1 ready) or XCHARGE protocol
	Operation System	Android 4.2
	Network Connection	GPRS / 3G / 4G / LAN
	Authentication Method	RFID / QR code / Remote Command / Password / Payment Terminal (Nayax, Ingenico, Payter)
Environmental Conditions	Operational Temperature Range	-25°C to 55°C (-25°C to 50°C rated, 15% power derating at 55°C) -40°C to 55°C (optional, with additional heat pump)
	Operational Humidity Range	5% to 95% non-condensing
Highlights	Remote Diagnositics	Remote WebUI tool
	LED and Screen	LED indicators & 15-inch HD touch screen
	Branding / Advertising	PNG / JPG / MP4 (via screen display) & Customizable exterior color and stickers
	Power Metering	AC meter with MID certificate / DC meter with MID certificate / DC meter with Eichrecht certificate (optional)
Safety Characteristic	IP & IK Rating	IP54 & IK10
	Residual Current Protection Switch (RCD)	Type A
	Safety Protection	Over/Under voltage, Overload, Short Circuit, Anti-access, Earth leakage, Lightning, Overheat-protection
	Access Protection	Half cylinder lock 30/10
Standards	IEC, ISO, DIN	IEC 61851-1:2011, IEC 61851-23:2014, IEC 61851-24:2014, IEC 62196-3:2014, ISO 15118, DIN 70121-2014, ISO 9001, ISO 14001:2015, ISO 45001:2018
Certification	EEA, German Calibration Law, OCPP 1.6 & OCPP Security	CE, Eichrecht Compliant (DE MTP 22 B 012 M), MOBI.E, be.ENERGISED

Charging Standard	CCS	CHAdeMO
Maximum Output Power	60kW / 80kW / 90kW / 120kW / 150kW / 160kW / 200kW	60kW
Output Voltage Range	200VDC - 1000VDC	150VDC - 500VDC
Maximum Output Current Continuously	200ADC / 250ADC / 300ADC	125ADC
Connection Standard	IEC 61851-23	CHAdeMO 2.0
Cable Assembly Length	3.2m / 5m / 7m / 10m (with cable management system)	

Mechanical Dimensions

Unit: mm

615
625
762.8

1929.5

740
871.9

9.4m
6.4m
4.4m

Output Power Curve

I (A)   **P (kW)**

Legend	Legend
200A Charging Current（A）	200A Charging Power（kW）
250A Charging Current（A）	250A Charging Power（kW）
300A Charging Current（A）	300A Charging Power（kW）