



reddot award 2016
winner

OVERVIEW

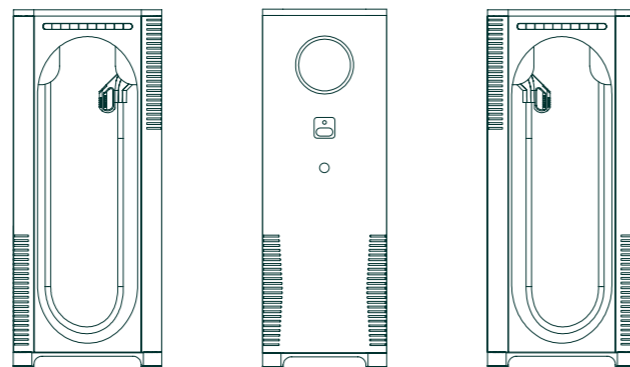
With its modular internals the C6EU is a cost effective and upgradable charging station with a maximum output up to 160 kW. The stainless steel charger has a small footprint of less than 0.5 m² and can serve 2 cars simultaneously with the CCS and CHAdeMO connectors. The touchscreen display and status LED's on the charger sides provides clear user experience and all required information about the users ongoing charging session.

MAIN FEATURES

- Modular and upgradable setup**
 The charging station is equipped with an expandable amount of power modules, making the maximum charging power upgradable from 80 to 160 kW (at 800 – 1.000 V) in 20 kW increments.
- CCS and CHAdeMO charging simultaneously**
 The charging station can be configured to enable simultaneous charging with both CCS and CHAdeMO, ensuring optimal use of both the charger and parking space.
- Compact award winning design**
 Being the winner of the reddot award in 2016 the charger combines its design with a small footprint of 0,5m², high tech and optimal cooling. The display and LED lights provide the user realtime insight in charging speed and the current state of charge of his vehicle.

DIMENSIONS

720 x 600 x 1750 mm



GENERAL SPECIFICATIONS

Product	C6EU
Dimensions (LxWxH)	720 x 600 x 1750 mm
Weight	350 – 400 kg (Depending on Configuration)
Max. Output Power	80 to 160 kW (total) in 20 kW Increments
Max. Output Current (400 V)	100 A -200 A (Depending on the Number of Power Modules)
Input Voltage	3-phase 400 V _{AC} ± 10% 50/60 Hz
Power Factor	99 % (Full Load)
Efficiency	95 % (Full Load)
Connectors for Charging	CCS Combo 2 + CHAdeMO 1.0
Power Metering	AC Ammeter
RCD	Type A + Integrated 6 mA DC Leakage Detection
Service Socket	Internal 230 V Schuko Service Socket
Internal Cooling	Centrifugal Ventilator with Replaceable Dust Filters
Noise Level	<60 dB
IP Rating	IP 54
IK Classification	IK 10
Operational Temperature Range	- 25 °C to + 50 °C
Operational Humidity Range	5 % to 95 % Non-condensing
Communication Protocol	OCPP 1.6 JSON Websocket or XCHARGE Protocol
Network connection	GPRS / 3G / 4G / LAN / WIFI
Authentication method	RFID / QR Code / Remote Command / Password
User Interface	LED Indicators + 22.5 cm HD Screen / Optional 22.5 cm Touchscreen
Onscreen Branding / Advertising	PNG / JPG / MP4
Safety Protections	Over/Undervoltage-, Overload-, Short Circuit-, Earth Leakage-, Lightning-, Overheat Protection
Anti-Access Protection	Euro Half-Cylinder 30/10

OUTLET SPECIFICATIONS

Charging Standard	CCS	CHAdeMO
Maximum Output Power	80 – 160 kW	50 kW
Maximum Output Voltage	1000 V _{DC}	500 V _{DC}
Maximum Output Current	200 A _{DC}	125 A _{DC}
Connection Standard	IEC 61851-23	CHAdeMO 1.0
Cable Assembly Length	3.5 / 5 / 7 meter	3.5 / 5 / 7 meter



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