



reddot award 2016
winner

Overview

In continuous operation with commercial vehicle fleet operators, in parking lots or as part of the urban public infrastructure: Wherever ultrashort loading times and a compact design are required, the C6EU supercharger plays out its strengths. With only about 350 kilograms total weight, C6EU with two charging points requires less than half square meters of footprint. And like all XCharge fast charging stations this supercharger brings a very deep impression for the operator with its individual configuration options, that the output power can be adjusted freely as requested between 60 and powerful 160 kW. The housing and display can also be customized. Based on the intelligent online management of backend system the control of charging process would be definitely customer-friendly. Via apps the charging can also be implemented and billed.

Main features

- **Modular technology**

Depending on customer requests the output power can be adjusted between 60 and 160 kW in increments of 15, 20 or 30 kW respectively.

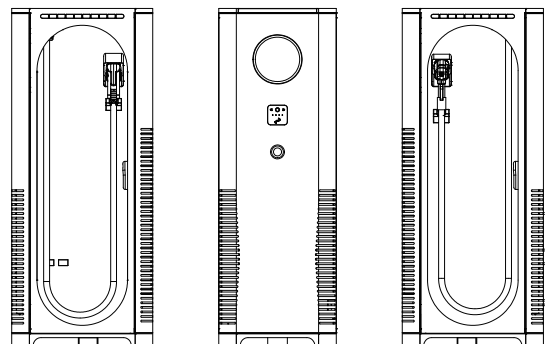
- **Compact size**

C6EU with two charging points requires only 0.5 square meter footprint and weighs about 350kg. On each side of charger there is an alcove to suspend the charging cable. The unique z-shaped ventilation system and a centrifugal fan improves the cooling performance and extends the product lifecycle.

- **Award-winning design**

The supercharger won the reddot Award in 2016. At the front door the circular display makes optimal charging process for customers. On the side, 60 LEDs indicate the operating status and progress of EV charging.

Dimensions



720*600*1750mm³

General Specification

Type	C6 intelligent
Dimensions (DxWxH)	720x600x1750 mm ³
Mass	350 – 400 kg
CHAdeMO	CHAdeMo/CCS Combo 2, available in parallel
Connection	Case C Mode 4
Service Socket	230V Schuko
RCD Type	Type A
Protection level	IP54
Mechanical and environmental features	IK10
Radiating type	Advanced centrifugal ventilator with multilevel control
Display HMI	Circular touch/HD Display with 22.5 cm diameter
Measurement	AC Ammeter/output DC Ammeter (optional)
LED indicator	Intelligent charging status indicator
Operation Temperature	-25 °C to +50°C
Operation noise	<60 dB
Safety protection	Over/undervoltage protection, overload protection, short circuit protection, anti-access protection, earth leakage protection, lightning protection, waterproof, overheat protection
Input AC power connection	3P+N+PE
Input Voltage range	400 V _{AC} +/-10% (50 Hz/60 Hz)
Input current	Max. 120A (60kW) to 230A (160kW)
Auxiliary power	12/24 V
Power factor	99% (full load)
Output power	Max. 60 kW to 160kW
Efficiency	0.97
Operation system	Android
Network connection	GPRS/3G/4G/LAN/WIFI (optional)
Communication protocol	OCPP 1.6 J/XCHARGE Protocol
Authentication	NFC/RFID/QR code/ID and password
Timing service	Online setting
Installation	Vertical standing with concrete foundation/metal base
Parking zone management system	Delay fee system + parking locker (optional)
Technical standards	EN 50385: 2017 EN 61851-1: 2011 EN 61851-23: 2014 EN 61851-24: 2014 EN 301 489-1 V2.2.0 (2017-03) EN 301 489-3 V2.1.1 (2017-03) EN 301 489-52 V1.1.0 (2016-11) EN 300 330 V2.1.1 (2017-02) EN 301 511 V12.5.1 (2017-03) EN 301 980-1 V11.1.1 (2016-07) EN 301 980-2 V11.1.2 (2017-08)

Outlet specifications

Charging Standard	CCS	CHAdeMO
Maximum output power range	60–160kW	50kW
Maximum output voltage	1000V _{DC}	500V _{DC}
Maximum output current	200A _{DC}	125A _{DC}
Connection standard	IEC 61851-23	CHAdeMO 1.0
Connector/Socket type	Combo-2	CHAdeMO
Cable assembly length	3.5/5/7m	3.5/5/7m
Compatible car brands	Various	Various

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Electric Vehicle Charging Solution Provider