URBAN MASTER CCS2

URBAN MASTER CCS2, DC recharging post

Code: V10730.

> Communications: Ethernet | 4G
> Output type: 150 ... 920 Vcc - 70 A - 25 kW
> Connector type: CCS Combo 2 [FF]
> Grid type: Three-phase
> Charge mode: 4
> No. Sockets: 1
> Earth leakage protection: Type B

Description

The URBAN MASTER/SLAVE CCS solution consists of a combination of a smart Master charger that provides communications and has an RFID reader, 8" touchscreen and an optional bank card payment system that controls a set of Slaves.
With a compact and robust design and an aluminium enclosure for all types of environments, the Urban CCS is the fast-charging version of Circutor's venerable Urban line, with a DC charging power of 25 kW, thus sidestepping the power limitation imposed by chargers on board electric vehicles with AC charging.
The system as a whole works as if all the chargers were smart, either by connecting the Master to a manager via OCPP, or independently by setting up a white list of users for the group.

Application

The Urban CCS range has been developed to offer a fast-charging solution in environments where there is no high-power electrical infrastructure, and where AC charging is insufficient. It is ideal for charging small fleets of electric
vehicles, dealerships, carsharing companies, small private car parks, etc., without making a major investment. This device can be installed on the wall or floor thanks to its two models (wallbox and post).

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Outdoor charging posts

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Specifications

AC power supply

Input intensity	39 A
Power factor	> 0,98
Frequency	50 / 60 Hz
Type of network	3Ph + N + GND
Nominal voltage	400 V ~ (± 10 %) (480 V ~ bajo demanda)

Electrical characteristics

Overcurrent protection	MCB curve C (50 A)
Cable: Connector type	CCS Combo 2 (5.5-m cable length)
Max. output intensity (A)	0 ... 70 cc
Charging mode	Mode 4
No. of charges	1
Max. output power (kW)	25 (cc)
Efficiency	94%
Voltage	150 ... 920 Vdc

Mechanical characteristics

Size (mm) width x height x depth	479 x 1750 x 288 (mm)
Envelope	Aluminium & ABS
Noise	< 55 dB
Weight (kg)	55

Environmental characteristics

Protection class	IP 54 / IK10
Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-40 ... +60 °C
Working temperature	-25 ... +45 °C

Standards

Certifications	CE
Electrical safety, Installation category	CAT III 300 V
Standards	IEC 61851-1, IEC 61851-23, IEC 61851-21-2, CE / Combo, DIN 70121, ISO 15118, MID: Class 1 - EN 50470-3

Communication Network

Protocol	OCPP
Technology / Interface	Ethernet 10/100 Base TX (TCP/IP)

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User interface

RFID (Radio-Frequency Identification)	ISO/IEC 14443 A/B, MIFARE Classic / Desfire EV1ISO 18092 / ECMA-340, NFC 13,56 MHz
LED	RGB color charge indicator
Display type	8" Touch TFT, multilingual

Features / performance

Heating and air conditioning unit	-35 ... +45 °C (Opcional)
Energy measurement	AC electric energy meter in accordance with UNE-EN 50470

Protection

Safety relay type (class)	RCD B

Radio communication

Technology / Type	4G / GPRS / GSM Modem

Output 1

Maximum current	70 A
Maximum power	25 kW
Voltage range	150-920 Vcc
Connector type	CCS Combo 2 (FF)
Network type	DC

Wireless communication

Band	2,4 GHz
Technology / Type	Wi-Fi

URBAN MASTER DC
Intelligent charging posts, DC charging

CODE	TYPE	No. Sockets	Output type	Connector type	Grid type
MASTER					
V10730.	URBAN MASTER CCS2	1	150 ... 920 Vcc - 70 A - 25 kW	CCS Combo 2 [FF]	Three-phase
V10731.	URBAN MASTER CCS1	1	150 ... 920 Vcc - 70 A - 25 kW	CCS Combo 1 [CC]	Three-phase
SLAVE					
V10741.	URBAN SLAVE CCS1	1	150 ... 920 Vcc - 70 A - 25 kW	CCS Combo 1 [CC]	Three-phase

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