INGEREV **CITY** Duo

THE DUAL URBAN CHARGING STATION

The INGEREV® CITY Duo product line features an attractive design that blends easily with the street furniture, whilst its vandal-proof and weatherproof rating means that it is suitable for indoor and outdoor installation.

The INGEREV® CITY Duo charging stations have been designed to comply with the guidelines of the IEC 61851 international standard, offering the possibility of charging two vehicles in modes 1, 2 and 3 of this standard.

Given the fact that two vehicles can be charged at the same time from the same charging station, it is possible to minimise the installation costs and the aesthetic impact of these infrastructures in public places.

The CITY Duo range of charging stations are available in single and three phase models and with power outputs ranging from 7.4 to 22 kilowatts.

The INGEREV® CITY Duo charging stations are equipped with a robust cable retention and locking system to prevent removal by unauthorised users.

In the event of a power failure, the INGEREV® CITY Duo charging stations are fitted with a battery that provides them with a minimum run time of one hour, guaranteeing cable retention during this time.

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FUNCTIONALITY

- Simultaneous charging of two vehicles in modes 1, 2 or 3 according to standard IEC 61851.
- RFID card identification.
- Measurement of power and energy (MID).
- Unauthorised user access restriction.
- Operating autonomy in the event of a power failure.
- LED status indicators.
- Multi-language custom LCD display.
- Charging power adjustment.
- Deferred charge option.
- Local control and configuration via RS-485 and USB.
- Remote control and configuration via Ethernet and 3G (optional accessory).
- Compatible with OCPP protocol (optional accessory).
- Anti-graffiti paint.

INSTALLATION

- Simple installation with no need to open the mechanics. Rear door for ease of access to anchorage points, lead-in terminals and protection devices.

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	INGEREV© CITY Duo			
IEC 61851 charging modes				
Modes 1 & 2	✓			
Mode 3	✓			
Model	**CD132**		**CD332**	
Power supply				
Single Phase 230 V / 50 Hz (2P+T)	✓		✓	
Three Phase 400 V / 50 Hz (3P+N+T)	✗		✓	
Maximum current per phase (A)	32		32	
Maximum input power (kW)	7.4[1]	14.8[2]	22[1]	44[2]
Power outlets				
Schuko CEE 7/4 Type E/F (optional)	2 x 10 A		2 x 10 A	
IEC 62196-2 Type 2	2 x 32 A		2 x 32 A	
Maximum power output in Mode 3 (kW)[3]	3.7 / 7.4	7.4 / 7.4	11 / 22	22 / 22
IEC 61851 connection type	B Connection case			
Operating temperature	-25 ºC to +50 ºC			
Relative humidity	<95%			
General Information				
Residual Current Device + Miniature Circuit Breaker	RCD 30 mA Class A + MCB Curve C (auto reset optional)[4]			
DC leaks detector (RCD Type B equivalent)	Optional			
Energy Metering	2 x MID meters			
RFID reader	ISO 14443A / Mifare / Desfire - 13.56 MHz			
Local communications	RS-485 / USB			
Remote communications	Ethernet / 3G (optional accessory)			
OCPP	Open Charging Point Protocol (requires optional remote connections accessory)			
IP rating	IP54			
Vandal-proof class	IK10			
Directives	Low voltage: 2014/35/EU EMC: 2014/30/EU			
Operating autonomy (with no AC power supply)	1 hour battery mode			
Enclosure	Polyurethane - Anti-graffiti paint			
Dimmensions (height x width x depth)	1,455 x 257 x 254 mm			
Weight	40 kg			

Notes: [1] The input power is divided between the Mode 3 in use [2] Each Mode 3 socket has its own maximum power available [3] Maximum power per socket with both Mode 3 sockets in use / maximum power per socket with just one Mode 3 socket in use [4] Please enquire, depending on the model.