

## THE URBAN DOUBLE CHARGING STATION



The INGEREV® CITY Duo product line has 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.

Thanks to the vandal-proof and weatherproof rating of these charging stations, they are suitable for indoor and outdoor installation.

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 station are available in single and three phase models and with power outputs ranging from 7.4 to 22 kilowatts, making it possible to fully charge an electric vehicle in 1 to 6 hours, depending on the vehicle model.

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 equipped with a battery that provides them with a minimum autonomy of one hour, guaranteeing cable retention during this time.

### FUNCTIONALITY

- Simultaneous charging of two vehicles in modes 1, 2 or 3 according to standard IEC 61851.
- RFID card identification.
- Measurement of the power output 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, USB and PC.
- Remote control and configuration via Ethernet and 3G (accessory).
- Compatible with the OCPP protocol for control from a remote control centre (accessory).
- Anti-graffiti paint.
- Rear door for ease of access to protection devices.

### INSTALLATION

- Simple installation with no need to open the mechanics. Inspection trapdoor for access to the lead-in terminal and protection devices for installation and maintenance.

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INGEREV® CITY Duo				
<b>IEC 61851 charging modes</b>				
Modes 1 & 2	✓		✓	
Mode 3	✓		✓	
<b>Alternative versions</b>				
	<b>CITY Duo 132</b>		<b>CITY Duo 332</b>	
Power supply				
Single Phase 230 V / 50 Hz (2P+E)	✓		✓	
Three Phase 400 V / 50 Hz (3P+N+E)			✓	
Maximum current per phase (A)	32		32	
Maximum input power (kW)	7.4 <sup>(1)</sup>	14.8 <sup>(2)</sup>	22 <sup>(1)</sup>	44 <sup>(2)</sup>
<b>Power outlets</b>				
Schuko CEE 7/4 Type E/F	2 x 10 A		2 x 10 A	
IEC 62196-2 Type 2	2 x 32 A		2 x 32 A	
Max. power output in Mode 3 (kW) <sup>(3)</sup>	3.7 / 7.4	7.4 / 7.4	11 / 22	22 / 22
IEC 61851 connection type	Connection case B			
Operating temperature	-25 °C to +50 °C			
Relative humidity	<95%			
<b>General details</b>				
Over-current protection	Thermal magnetic breaker (optional automatic resetting) <sup>(4)</sup>			
Residual current protection	30 mA Class A (optional automatic resetting) <sup>(4)</sup>			
Over-voltage protection	Class 2 (optional) <sup>(4)</sup>			
Energy metering	2x MID Meters			
RFID reader	ISO 14443A / Mifare / Desfire - 13.56 MHz			
Local communications	RS-485 / USB			
Remote communications	Ethernet / 3G (optional accessory)			
Ocpp	Ocpp (requires the optional Ethernet/3G accessory)			
IP rating	IP54			
Vandal-proof class	IK10			
Directives	Low voltage: 2006/95/CE EMC: 2004/108/CE			
Operating autonomy (with no AC power supply)	1 hour battery mode			
Enclosure	Anti-graffiti - polyurethane			
Dimensions (height x width x depth)	1,455 X 257 X 254 mm			
Weight	40 kg			

**Notas:** <sup>(1)</sup> The input power is divided between the Mode 3 sockets in use <sup>(2)</sup> Each Mode 3 socket has its own maximum power available <sup>(3)</sup> Maximum power per socket with both Mode 3 sockets in use / maximum power per socket with just one Mode 3 socket in use <sup>(4)</sup> Please enquire, depending on the model.

### CITY Duo

