

## THE URBAN CHARGING STATION

The INGEREV® CITY 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 charging station models are equipped with a power outlet that is compliant with the IEC 62196-2 standard, permitting vehicle recharging in mode 3 of the IEC 61851 international standard, for a guaranteed safe charging process.

Furthermore, all the models in the INGEREV® CITY range are fitted with an additional power outlet for charging in modes 1 and 2.

INGEREV® CITY offers two different possibilities, depending on the type of installation:

- Ground "G":  
for use in public places.
- Wall "W":  
for mounting on garage or car park walls.

Available in either a single phase or three phase version, with a maximum current of up to 32 Amps per phase, up to a maximum power output of 22 kW. This makes the charging process as much as 6 times quicker than through a domestic socket, achieving charging times of less than 2 hours for most vehicles.

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

In the event of a power failure, the INGEREV® CITY charging stations have a minimum autonomy of one hour, guaranteeing cable retention during this time, until new user identification.

Each INGEREV® CITY is enabled for remote communication with a control centre, offering the possibility of monitoring demand and setting charging rates, either through Ingeteam's proprietary software or integration in third party control centres.



*Equipment customizable depending on the quantity ordered.*

### FUNCTIONALITY

Each INGEREV® CITY charging station has the following basic functionality:

- Vehicle charging modes 1, 2 and 3 of standard 61851.
- Local identification by an RFID contactless access card.
- Measurement of the power output and the energy transferred with a MID approved meter.
- Unauthorised user access restriction.
- Operating autonomy in the event of a power failure.
- LED status indicators.
- Multi-lingual LCD Display with customisable text Power output adjustment.
- Communication with other charging stations and with a Control Centre.
- Optional remote management and monitoring of each station.
- Compatible with the OCPP protocol through the use of Webservices (SOA).
- Possibility of programming for deferred charging.
- Anti-graffiti paint.

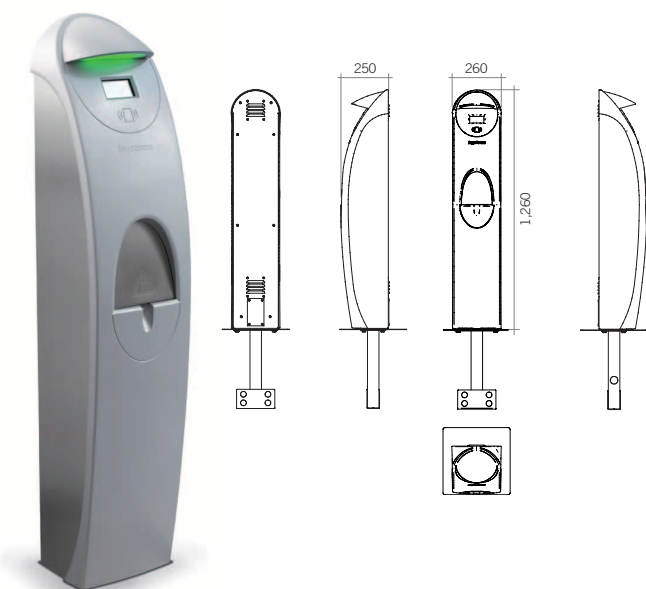


	INGEREV® CITY Ground		INGEREV® CITY Wall	
<b>Charging modes IEC 61851</b>				
Mode 1 and 2	✓		✓	
Mode 3	✓		✓	
Type of installation	Ground		Wall	
<b>Variants</b>	<b>CG132</b>	<b>CG332</b>		<b>CW332</b>
Supply				
Single phase 230 V / 50 Hz (2P+T)	✓	-		-
3 phase 400 V / 50 Hz (3P+N+T)	-	✓		✓
Maximum current	32 A	32 A		32 A
<b>Socket outlets</b>				
Schuko CEE 7/4 Type E/F <sup>(1)</sup>	✓	✓		✓
IEC 62196-2 Type 2 <sup>(1)</sup>	✓	✓		✓
IEC 62196-2 Type 3A <sup>(1)</sup>	✓	✓		✓
IEC 62196-2 Type 3C <sup>(1)</sup>	✓	✓		✓
Maximum power output	7.4 kW	22 kW		22 kW
IEC 61851 connection type	Connection case B			
Operating temperature	-25 °C to +40 °C			
Relative humidity	<95%			

<b>General information</b>	
Over-current protection	Thermal magnetic switch with automatic re-set (optional) <sup>(1)</sup>
Differential current protection	30 mA Class A with automatic re-set (optional) <sup>(1)</sup>
Over-voltage protection	Class 2 (optional) <sup>(1)</sup>
Energy metering	Class A active / Class B reactive
RFID reader	ISO 14443A / Mifare - 13.56 MHz
Communications	RS-485, Ethernet, 3G
IP rating	IP55
Vandal-proof class	IK10
Directives	Low voltage: 2006/95/CE EMC: 2004/108/CE Renault-Nissan ZE Ready and EV Ready certification
Operating autonomy (with no AC power)	1 hour battery mode
Enclosure	Stainless steel Polyurethane: RAL 9006
Dimensions (height x width x depth)	1,255 <sup>(2)</sup> x 257 x 254 mm
Weight	30 kg

Notes: <sup>(1)</sup> Consult availability, depending on the model <sup>(2)</sup> Possibility of increasing the height up to 1,455 mm.

CITY Ground Model



CITY Wall Model

