

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® Garage 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				
IEC 61851 charging modes						
Mode 1 and 2		✓			✓	
Mode 3		✓			✓	
Type of installation		Ground			Wall	
Variants	G1116	G1316	G1332	W1116	W1316	W1332
Supply						
Single phase 230 V / 50 Hz (2P+E)		✓	–	–	✓	–
3 phase 400 V / 50 Hz (3P+N+E)		–	✓	✓	–	✓
Maximum current (A)		16	16	32	16	32
Socket outlets						
Schuko CEE 7/4 Type E/F ¹		✓	✓	✓	✓	✓
IEC 62196-2 Type 2 ¹		✓	✓	✓	✓	✓
IEC 62196-2 Type 3A ¹		✓	✓	✓	✓	✓
IEC 62196-2 Type 3C ¹		✓	✓	✓	✓	✓
Maximum power output (kW)		3.7	11	22	3.7	22
IEC 61851 connection type		Connection case B				
Operating temperature		-25°C to +40°C				
Relative humidity		<95%				
General information						
Over-current protection		Thermal magnetic switch with automatic re-set (optional) ¹				
Differential current protection		30 mA Class A with automatic re-set (optional) ¹				
Over-voltage protection		Class 2 (optional) ¹				
Energy metering		Class A active / Class B reactive				
RFID reader		ISO 14443A / Mifare - 13,56 MHz				
Communications		RS-485, Ethernet, GPRS, UMTS				
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				
Carcasa		Stainless steel Polyurethane: RAL 9006				
Dimensions (height x width x depth)		1255 ² x 257 x 254 mm			756 x 257 x 254 mm	
Weight		30 kg			25 kg	

Notes: ¹ Consult availability, depending on the model ² Possibility of increasing the height up to 1455 mm.

Ground-Mounted Unit



Wall-Mounted Unit

