

THE URBAN CHARGING STATION

The INGEREV® CITY Ground 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 Ground charging station models are equipped with a power outlet that is compliant with the IEC 62196-2 international 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 Ground range are fitted with an additional power outlet for charging in modes 1 and 2.

Available in either a single phase or three phase version, with a maximum current of up to 32 Amps per phase, with a maximum power output of 22 kW.



The INGEREV® CITY Ground 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 Ground charging stations have a minimum run time of one hour, guaranteeing cable retention during this time, until new user identification.

Each INGEREV® CITY Ground 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.

FUNCTIONALITY

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

- Charging modes 1, 2 and 3, according to standard IEC 61851.
- Identification by an RFID access card.
- MID meter for measurement power and energy.
- Unauthorised user access restriction.
- Operating autonomy in the event of a power failure.
- LED RGB status indicators.
- Multi-language display with customisable text.
- Power output adjustment.
- Configuration and local monitoring through RS-485.
- Ethernet and 3G remote control (accessory).
- Compatible with OCPP protocol (accessory).
- Possibility of programming for deferred charging.
- Anti-graffiti paint.
- Rear door for access to protection devices.

INGEREV® CITY Ground		
Charging modes IEC 61851		
Mode 1 & 2	✓	✓
Mode 3	✓	✓
Model	CG132	CG332
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 A	32 A
Maximum power input (kW)	7.4	22
Socket outlets		
Schuko CEE 7/4 Type E/F	10 A	10 A
IEC 62196-2 Type 2	32 A	32 A
Maximum power output in Mode 3 (kW)	7.4	22
IEC 61851 connection type	Connection case B	
Operating temperature	-25 °C up to + 50 °C	
Relative humidity	<95%	
General information		
Residual Current Device + Miniature Circuit Breaker	RCD 30 mA Class A + MCB Curve C (auto reset optional)	
Kit Type B RCD equivalent	Optional	
Energy metering	MID meter	
RFID reader	ISO 14443A / Mifare - 13.56 MHz	
Local communications	RS-485	
Remote communications	Ethernet, 3G (optional accessory)	
OCCP	Open Charging Point Protocol (requires accessory for remote communications)	
IP rating	IP55	
Vandal-proof class	IK10	
Directives	Low voltage: 2014/35/EU EMC: 2014/30/EU	
Operating autonomy (with no AC power)	1 hour battery mode	
Enclosure	Galvanized steel - Polyurethane - Anti-graffiti	
Dimensions (height x width x depth)	1,255 ⁽¹⁾ x 257 x 254 mm	
Weight	30 kg	

Notes: ⁽¹⁾ Possibility of increasing the height up to 1,455 mm.

