

## THE INDOOR AND OUTDOOR CHARGING STATION

The INGEREV® GARAGE product line has been designed for use in public car parks, hotels, shopping and leisure centres, private parking lots, housing blocks, etc.

The INGEREV® GARAGE 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® GARAGE range are fitted with an additional power outlet for charging in modes 1 and 2.

The INGEREV® GARAGE models are all supplied with the same enclosure design, intended to be wall-mounted either indoors or outdoors.

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® GARAGE charging stations are equipped with a cable retention and locking system (only for Mode 3) to prevent removal by unauthorised users.

In the event of a power cut, the INGEREV® GARAGE charging stations automatically return to their status prior to the power failure, guaranteeing successful completion of the charging process.

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.



### FUNCTIONALITY

Each INGEREV® GARAGE 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.
- Cable retention during the charging process (only Mode 3).
- LED status indicators.
- Communication with other charging stations and with a Control Centre.
- Multi-lingual LCD Display with customisable text Power output adjustment.
- Optional remote management and monitoring of each station.
- Compatible with the OCPP protocol through the use of Webservices (SOA).
- Possibility of programming deferred charging through the display.
- Anti-graffiti paint.



INGEREV® GARAGE				
<b>IEC 61851 charging modes</b>				
Mode 1 and 2	✓			
Mode 3	✓			
Installation mode	Wall			
<b>Variants</b>				
	<b>GW116</b>	<b>GW132</b>	<b>GW316</b>	<b>GW332</b>
<b>Supply</b>				
Single phase 230 V / 50 Hz (2P+E)	✓	✓		
3 phase 400 V / 50 Hz (3P+N+E)			✓	✓
Maximum current	16 A	32 A	16 A	32 A
<b>Socket outlets</b>				
Schuko CEE 7/4 Tipo E/F*	✓	✓	✓	✓
IEC 62196-2 Type 2*	✓	✓	✓	✓
IEC 62196-2 Type 3A*	✓	✓	✓	✓
IEC 62196-2 Type 3C*	✓	✓	✓	✓
Maximum power output	3.7 kW	7.4 kW	11 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*			
Differential current protection	30 mA Class A with automatic re-set*			
Over-voltage protection	Class 2 (optional)			
Energy metering	Class A active / Class B reactive			
RFID reader	ISO 14443A / Mifare - 13.56 MHz			
Communications	RS-485, Ethernet, 3G			
IP rating	IP54			
Vandal-proof class	IK10 (Display IK08)			
Directives	Low voltage: 2006/95/CE EMC: 2004/108/CE Renault-Nissan ZE Ready and EV Ready certification			
Enclosure	Painted steel: RAL 9003			
Dimensions (height x width x depth)	472 x 360 x 163 mm			
Weight	10 kg			
<b>Notes:</b> *Check availability depending on model.				

