

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		
IEC 61851 charging modes			
Mode 1 and 2	✓		
Mode 3	✓		
Modo de instalación	Wall		
Variants	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
Socket outlets			
Schuko CEE 7/4 Tipo E/F*	✓	✓	✓
IEC 62196-2 Tipo 2*	✓	✓	✓
IEC 62196-2 Tipo 3A*	✓	✓	✓
IEC 62196-2 Tipo 3C*	✓	✓	✓
Maximum power output (kW)	3.7	11	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*		
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, GPRS, UMTS		
IP rating	IP44		
Vandal-proof class	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 371 x 163 mm		
Weight	10 Kg		
Notes: *Consult availability, depending on the model.			

