

THE CHARGING STATION in public and private installations



The **FUSION** range is available in two versions, **FUSION Street** for ground mounting and **FUSION Wall** for wall mounting.

This dual equipment range has been designed to cover all electric vehicle charging demands in public and private areas alike.

Its standard features include latest generation advanced functions such as Dynamic Load Management 2.0 (DLM 2.0), Ethernet and Wifi communications, and OCPP protocols.

INGEREV FUSION Street / Wall model options

	FS1MW / FW1MW	FS3MW / FW3MW	FS3NN / FW3NN
Grid	Single phase	Three phase	Three phase
Power meter	✓	✓	✓
MID approved Wattmeter	✓	✓	
Type A RCD	✓	✓	
C Curve MCB	✓	✓	

FUNCTIONALITIES

- Floor and wall mountable models, suitable for outdoor installation.
- Single phase and three phase models, with up to 32 amps per charging socket.
- Multiple charging sockets available, Mode 1 + 2 sockets, Cables and Mode 3 sockets.
- Measurement of the power output and energy.
- RGB LED status indicators.
- Customizable color screen.
- RFID reader.
- Ethernet and Wifi.
- DLM 2.0.
- OCPP.
- Configuration through USB.
- Models with and without protections.
- Front door for ease of operation and maintenance.
- Ethernet switch to minimize the cost of Ethernet cabling.
- Overvoltage protection devices.
- Warning message in the event of a power outage.
- Possible customization with vinyls on all four faces.
- General AC breaker for the rapid disconnection of the charger.

OPTIONS

- 3G modem.
- DC current leakage detector.

CONNECTORS TYPE



N2
Type 2 connector



S2
Type 2 connector with shutters



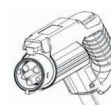
N3
Type 3A connector



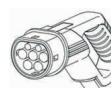
N4
4-CEE-7 / 4 type F (Schuko) connector



N7
7-CEE-7 / 7 (Schuko) connector



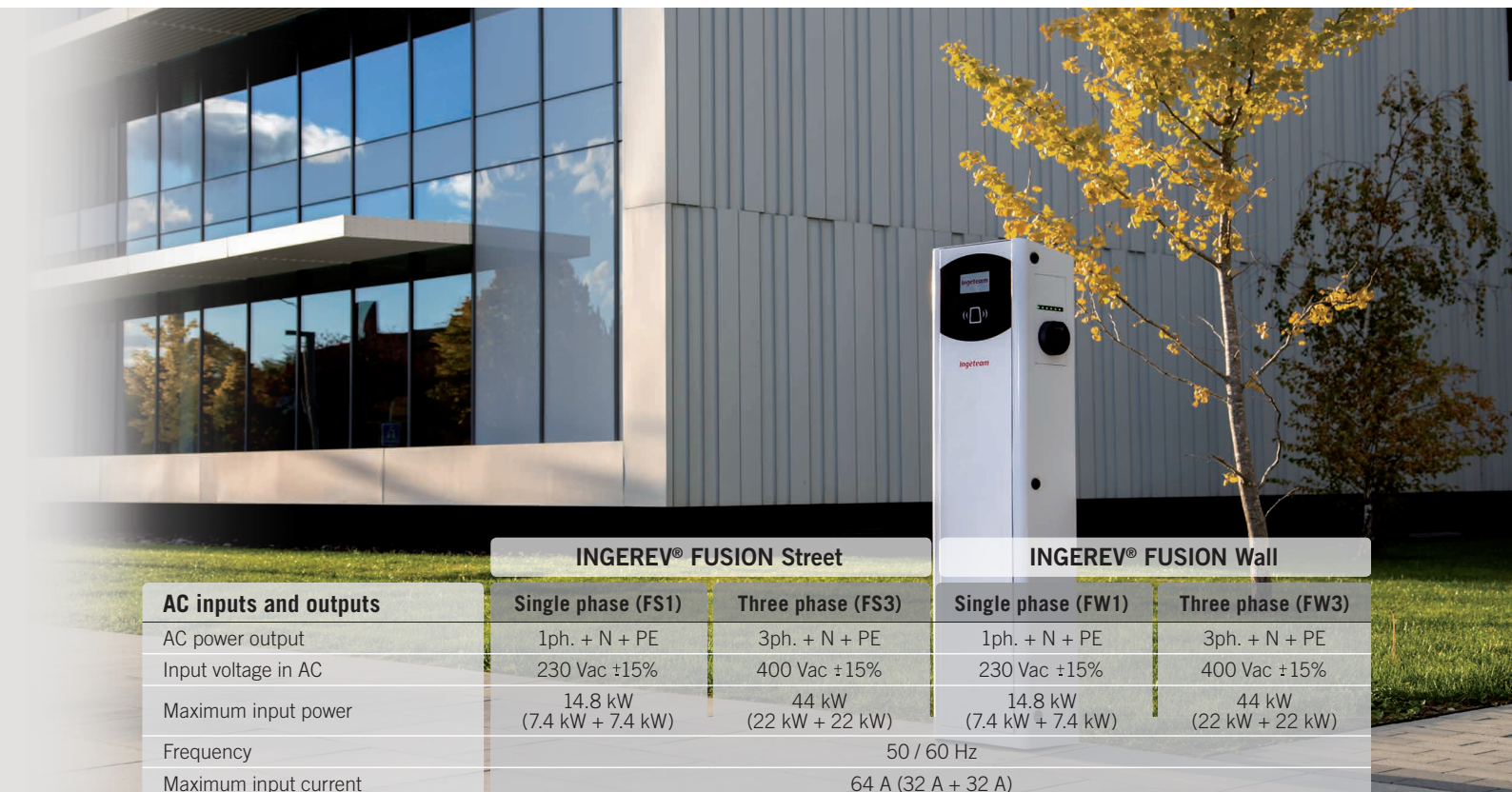
C1
Type 1 Cable



C2
Type 2 Cable

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	INGEREV® FUSION Street		INGEREV® FUSION Wall	
AC inputs and outputs	Single phase (FS1)	Three phase (FS3)	Single phase (FW1)	Three phase (FW3)
AC power output	1ph. + N + PE	3ph. + N + PE	1ph. + N + PE	3ph. + N + PE
Input voltage in AC	230 Vac ±15%	400 Vac ±15%	230 Vac ±15%	400 Vac ±15%
Maximum input power	14.8 kW (7.4 kW + 7.4 kW)	44 kW (22 kW + 22 kW)	14.8 kW (7.4 kW + 7.4 kW)	44 kW (22 kW + 22 kW)
Frequency	50 / 60 Hz			
Maximum input current	64 A (32 A + 32 A)			
Output connectors	Configurable (type 1 and type 2, for socket and cable alike, type 3A, 4-CEE-7/4 type E, 7-CEE-7/7 type E)			
Connection mode	5 socket types and 2 cable types			
Standards and safety				
General standards	IEC-61851-1, IEC-61851-21-2, IEC-61000			
Over-current	MCB (curve C) ⁽¹⁾			
Indirect contacts	RCD 30mA type A ^{(1) (3)} / DC current leakage detector (optional) ⁽²⁾			
Functionalities and accessories				
Communications	Ethernet, Wifi, Switch Ethernet GPRS-3G (optional)			
Communications protocol	OCPP (Standard and customized version)			
HMI	4.3" TFT color screen, RFID (Mifare Classic 1K&4K, MifareDesFire WV1, NFC)			
General Information				
Consumption in stand-by mode	<10W			
Energy metering	2 x MID approved wattmeters ⁽¹⁾			
Operating temperature	-25 °C to 50 °C			
Humidity	<95%			
Weight	33 kg (2 x Type 2)	33 kg (2 x Type 2)	24 kg (2 x Type 2)	24 kg (2 x Type 2)
Dimensions (height x width x depth)	1,400 x 320 x 215 mm	1,400 x 320 x 215 mm	800 x 320 x 215 mm	800 x 320 x 215 mm
Housing	Galvanized steel			
Protection rating	IP54 / IK10 (display IK08)			
CE Marking	CE			
Directives	Low Voltage Directive: 2014/35/EU EMC Directive: 2014/30/EU			

Notes: ⁽¹⁾ Depending on the model ⁽²⁾ Type B alternative is available ⁽³⁾ Super-immunized.