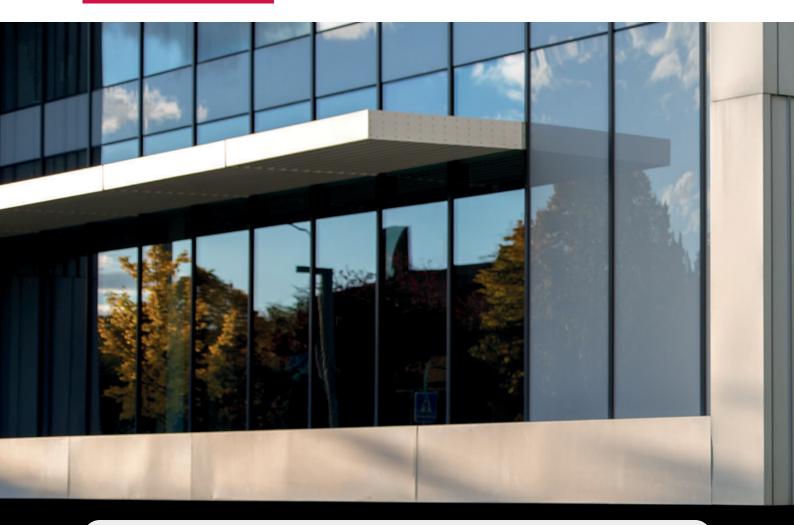
FUSION



The charging point in public and private settings

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

It is the range of dual units designed to meet all the requirements of electric vehicle charging in public and private settings.

It incorporates Ethernet and Wi-Fi communications as standard, as well as advanced latest generation functions such as Dynamic Load Management 2.0 (DLM 2.0) and OCPP protocols.

	FUSION Street/Wall		
	FS1MW / FW1MW	FS3MW / FW3MW	
Grid	Single phase	Three phase	
MID wattmeter	✓	✓	
Manual Type A differential protection ⁽¹⁾	✓	✓	
Overcurrent protection (Curve C)	✓	✓	

Votes

⁽¹⁾ Optionally, the differentials can be Type A resettable or Type B.

FUSION





FUSION FEATURES

Functions

- Ground and wall versions, suitable for outdoor use.
- Front door for easy operation and maintenance.
- Single-phase and three-phase versions with up to 32 amps per socket.
- Multiple sockets available, mode 1&2 sockets, mode 3 cables and
- MID wattmeters.
- Warning message in case of power outage.
- Possible customization using vinyls on the four sides(1).

HMI

- RGB status LEDs.
- RFID reader.
- 4.3" color screen, multi-language.

Communications and software

- Dual Ethernet port with Switch mode.

Notes:

- (1) Large surface where vinyl can be applied.
- (2) 5 m optional.

1,400 mm

- Wi-Fi.

- OCPP.
- DLM, static and dynamic power management with other Ingeteam DC and AC units.
- Web Manager.
- Modbus TCP, MQTT.
- Automatic software updates.
- Update via USB.

Safety

- Differential protections and circuit breakers.
- Main switch for quick disconnection of the charger.
- Security lock with key.
- Door-opening sensor.

Options

- GPRS 2G/3G/4G communication.
- Contactless bank card reader.
- DC leak detector.
- Type A self-resetting differentials or Type B differentials.
- Smart DLM.
- Cloud Manager.

CONNECTORS



N2 Socket Type 2



Type 2 socket with shutters



CEE 7/3 Type F socket (Schuko)

CEE 7/5 Type E socket (Schuko)

S5

N7 and S2



C1 Type 1 cable (4 m)(2)

C2

Type 2 cable (4 m)(2)



NACS





215 mm

320 mm



800 mm



	FUSION	Street	FUSIO	N Wall		
INPUTS AND OUTPUTS	Single-phase (FS1)	Three-phase (FS3)	Single-phase (FW1)	Three-phase (FW3)		
Voltage	1 phase + N + PE 230 Vac ±15%	3 phases + N + PE 400 Vac ±15%	1 phase + N + PE 230 Vac ±15%	3 phases + N + PE 400 Vac ±15%		
Frequency		50/60 Hz				
Rated current		64 A (32 A + 32 A)				
Rated 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)		
Charging connectors	Configurable (Typ	Configurable (Type 1 and 2 cables; Type 2 sockets, CEE 7/3 Type F, CEE 7/5 Type E)				
Charging mode		Modes 1, 2 and 3 according to installed sockets				
REGULATIONS AND SAFETY						
Standards	IEC-	IEC-61851-1, IEC-61851-21-2, IEC-62196-2, IEC-61000				
Overcurrent		40 A Curve C circuit breaker protections (10 kA)				
Indirect contacts		30mA type A differential protections(1) DC leak detector (optional)				
Overvoltages		Overvoltage protection Type III				
FUNCTIONALITIES AND ACCESS	SORIES					
Communication interfaces		Ethernet (Switch mode) and Wi-Fi GPRS - 2G/3G/4G (optional)				
Communication protocols	0	OCPP 1.6, 2.0.1, Modbus RTU, Modbus TCP, MQTT				
НМІ	RFID	4.3" color screen, multi-language RFID reader (Mifare Classic 1K&4K, MifareDesFire EV1, NFC) Contactless bank card reader (optional)				
GENERAL INFORMATION						
Stand-by consumption		< 10 W				
Energy measurement		2 x MID wattmeters				
Operating temperature		-25 °C to 50 °C				
Humidity		< 95%				
Maximum altitude		2,000 m (for heights above this, consult Ingeteam)				
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 (h x w x d)	1400 x 320 x 215 mm	1400 x 320 x 215 mm	800 x 320 x 215 mm	800 x 320 x 215 mm		
Enclosure		Galvanized steel RAL 9003				
Protection class		IP54 / IK10 / C5H				
Markings		CE				

Directives

Notes (1) Optionally, the differentials can be Type A resettable or Type B.



Low Voltage Directive: 2014/35/EU | EMC Directive: 2014/30/EU | RED Directive 2014/53/EU