

RAPID 50

The rapid multi-standard CHARGING STATION



Due to the considerable increase in the number of hybrid and electric vehicles already on our roads, there is a need to add new rapid charging stations to the present charging network.

This network requires equipment that is compliant with the highest quality standards and that offers the best performance in terms of power management, communications, reliability and efficiency, such as the INGEREV® RAPID 50. This is the ideal rapid charging point for service stations and also for other busy areas such as shopping malls, car parks, vehicle rental companies, restaurants, etc.

Given that the RAPID 50 is compatible with the CHAdeMO, CCS and type 2 standards, it is able to charge any type of hybrid or electric vehicle. The INGEREV® RAPID 50 Trio model offers the possibility of simultaneous AC and DC charging, with dynamic power management between both couplings and even between various FUSION or RAPID units in the same installation.

	Trio (RTM50)	Duo (RDM50)	One (ROM50)	One+ (RCM50)
CCS	✓	✓	✓	✓
CHAdeMO	✓	✓		
AC 43 kW	✓			✓

FEATURES

- Rapid charging in CCS Type 2 up to 50 kW.
- Rapid charging in CHAdeMO up to 50 kW.
- Rapid charging in AC Type 2 up to 43.5 kW.
- RFID reader.
- 7" colour touch screen.
- Sturdy steel enclosure for exceptional resistance in even the most adverse ambient conditions.
- Possibility of simultaneous AC and DC charging.

COMMUNICATIONS

- Communication Modbus TCP.
- Compatibility with OCPP.

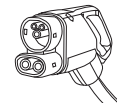
SAFETY

- RCD and MCB protections against indirect contacts, short-circuits and overloads.
- Automatic software updates (OCPP, ISO15118, etc.) for the entire product life.
- Highly visible emergency button to guarantee safety of use.

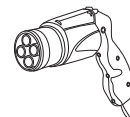
OPTIONS

- Remote communication via 3G/4G.
- Auto-reclose RCDs.
- Cable locking system for AC connectors and DC connectors alike.
- Contactless card payment solution (Ingenico).

CONNECTOR TYPES



CCS
COMBO Type 2



CHADEMO
EVS 6105



AC 43 kW
Type 2

INGEREV

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	INGEREV® RAPID 50 Trio	INGEREV® RAPID 50 Duo	INGEREV® RAPID 50 One	INGEREV® RAPID 50 One+
AC input (DC output)				
Voltage	3 phase + N + PE; 400 Vac ±15%			
Frequency	50 Hz			
Rated current	77 A + 63 A	77 A	77 A	77 A + 63 A
Rated power	53 kW + 43.5 kW	53 kW	53 kW	53 kW + 43.5 kW
Efficiency	>94%			
Power factor	>0.98			
DC output values				
Voltage range	50 - 500 V			
Maximum current	125 A			
Maximum power	50 kW			
DC Connectors	CCS Type 2 / CHAdeMO		CCS Type 2	
AC output values				
Voltage	400 Vac	-	-	400 Vac
Maximum current	63 A	-	-	63 A
Maximum power	43.5 kW	-	-	43.5 kW
AC Connector	Cable Mode 3 Type 2	-	-	Cable Mode 3 Type 2
Standards and Safety				
General standards	IEC 61851-1, IEC 61851-23, IEC 61851-24, CHAdeMO 1.0.0, DIN 70121, ISO 15118, IEC 61000			
Indirect contacts	Differential protection AC Load: 30mA Type B DC Load: 30mA Type A	Differential protection 30mA Type A	Differential protection 30mA Tipo A	Differential protection AC Load: 30mA Type B DC Load: 30mA Type A
Overcurrents	MCB Curve C			
Overvoltages	Surge arresters Type III ⁽¹⁾			
Functions / Accessories				
Communication	Ethernet Switch 3G/4G (optional)			
Communication protocol	OCPP			
HMI	7" TFT touch screen RFID (MIFARE Classic 1K&4K, MIFARE DESFire EV1, NFC)			
General information				
Cooling system	Forced ventilation			
Consumption in stand-by mode	<100 W			
Cable length	3.8 m			
Operating temperature	-25 °C to + 60 °C			
Humidity	0 - 95% - non-condensing			
Weight	620 kg			
Dimensions	785 x 700 x 1,900 mm			
Enclosure	Chapa de acero galvanizado. RAL 9003			
Environmental protection rating	IP55 / IK10 (display and ventilation grid IK08)			
Marking	CE			
Maximum operating height	2.000 m			

Notes: ⁽¹⁾ Class II Optional.