

INGEREV

# RAPID 120/180

Changing the **answer is**  
**EVOLUTION**

Changing the **question is**  
**REVOLUTION**



In order to face the ongoing challenge of responding to the ever-changing needs of the market, constant transformation is required. For the development of the innovative RAPID range, at Ingeteam we asked ourselves endless new questions, given that these new charging stations needed to meet current and future needs alike, in a sector in rapid and constant evolution.

Ingeteam is now proud to present its new range of **INGEREV® RAPID 120 kW and 180 kW ultra-rapid chargers**, created to supply the power to even the most demanding vehicles. The INGEREV® RAPID charging stations have been designed to comply with the highest quality standards and to offer the best performance in terms of power management, communications, reliability and efficiency.

The chargers are compatible with the CCS and CHAdeMO standards, with the option of one or two cables in DC charging mode. Furthermore, the Trio models are fitted with a 22 kW Type 2 socket for AC charging, allowing the simultaneous charging of up to three vehicles. Likewise, power management is available either between the different charger outputs or between various INGEREV chargers installed at the same location.

	RAPID 120/180 Duo	RAPID 120/180 Trio
Connectors	2	3
Simultaneous charging	✓	✓
Connector types	CCS + CCS CCS + CHAdeMO	CCS + CCS + AC CCS + CHAdeMO + AC

## KEY FEATURES

- Modular electronics. The 120 kW chargers are upgradable to 180 kW.
- CCS charging up to 180 kW. Option of dual CCS.
- Charging in CHAdeMO, up to 80 kW. Only for Duo chargers.
- Auto-retractable cable system.
- AC charging up to 22 kW with Type 2 socket in chargers.
- RGB LED status indicators.
- RFID reader.
- Multi-language 7" colour touchscreen.
- MID wattmeters.
- Simultaneous charging at all available power outlets.
- Robust stainless steel enclosure.

## COMMUNICATIONS

- RS 485, Ethernet (switch mode).
- Modbus, MQTT, OCPP.
- Automatic software updates throughout the product lifetime.



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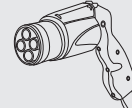
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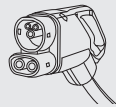
## CONNECTOR TYPES



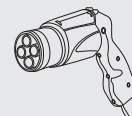
**CCS1 300**  
CCS Type 1 300 A



**CHA125**  
CHAdeMO 125 A



**CCS2 300**  
CCS Type 2  
300 A



**CHA200**  
CHAdeMO 200 A



**AC 22 kW**  
Socket Type 2  
with shutters



## SAFETY

- RCD and MCB protections against indirect contact, short-circuits and overloads.
- Transient and permanent surge protectors, Type 2.
- High visibility emergency button to guarantee safety of use.

## OPTIONS

- Auto-recloser RCDs.
- Connector locking system for CCS2 and CHAdeMO.
- 3G/4G remote communication.
- Contactless bank card reader.
- 21" advertising screen.
- Smart DLM.



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	INGEREV® RAPID 120	INGEREV® RAPID 180
<b>Input</b>		
Voltage	AC 3ph.+ N + PE; 380/400/480 Vac ±15%	
Frequency	50 / 60 Hz ±5%	
Maximum AC Current	190 A + 32 A	280 A + 32 A
Maximum AC Power	120 kW + 22 kW	180 kW + 22 kW
<b>DC Output</b>		
Voltage	150 - 1,000 V	
Maximum Current (Power Electronic)	400 A (200 + 200 A)	600 A (300 + 300 A)
Maximum Power	120 kW (60 + 60 kW)	180 kW (90 + 90 kW)
Output Connectors	CCS   CCS + CCS   CCS + CCS + AC CCS + CHAdeMO (125, 200 A)   CCS + CHAdeMO (125, 200 A) + AC	
<b>AC Output (optional)</b>		
Maximum Current (Power Electronic)	32 A	
Maximum Power	22 kW	
Output Connectors	AC Mode 3 Socket Type 2 with shutters	
<b>Compliance and Safety</b>		
Standards	IEC 61851-1 ed 3, IEC 61851-21-2 ed 1, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, IEC 61000	
Overcurrent	Programmable MCB	
Indirect contact	DC - RCD 30mA Type A + DC leak sensor AC - RCD Type B	
Overvoltage	Protection in DC Inputs and Outputs against permanent and transient overvoltage Type II	
Functions Accesories		
Communication	Ethernet, Modem 3G/4G (optional)	
Communication Protocol	OCPP (standard and custom version)	
Advertising screen	21" Full HD (optional)	
HMI	7" touch display, RFID (Mifare Classic 1K&4K, MifareDesFire EV1, NFC)	
<b>General information</b>		
Stand-by consumption	<60 W	<80 W
Retractable hoses system	Included	
Cable hoses	6,5 m (out of which 5 m retractable)	
Energy metering	Metering for AC (MID) and DC outlets	
Operating Temperature	-35 °C to 60 °C (optional kit for lower or higher temperatures)	
Humidity	<95%	
Weight	380 kg	420 kg
Size (Height x Width x Depth)	2,300 x 774 x 730 mm	
Enclosure	Stainless steel 430 and Aluminium	
Operating altitude	For altitudes over 2000 m please contact Ingeteam	
Protection class	IP54 / IK10 (display IK08) / C5H	
Marking	CE	
Directives	Low Voltage Directive: 2014/35/EU - EMC Directive: 2014/30/EU	