

**CHARGING
100 KMS IN
20 MINUTES**

INGEREV® RAPID Trio is the all-in-one electric vehicle charging station within the INGEREV® product range. It is designed to fulfill the needs of today's electric vehicle generation, allowing to charge 100 kms of range in less than 20 minutes.

Three different connectors

INGEREV® RAPID Trio multi-standard charging station allows rapid DC charging of vehicles by Combined Charging System (CCS) and CHAdeMO standards and AC charging by means of a Mode 3 Type 2 connector, offering an outstanding service in terms of safety, convenience and speed.

Dynamic Load Management

It also allows the simultaneous use of Mode 3 and Mode 4 charging processes, dynamically adjusting the available power between the active connectors.

Ingeteam has designed the INGEREV® RAPID Trio charging station based on its extensive experience manufacturing power converters with high-efficiency IGBTs.

Fully equipped

INGEREV® RAPID Trio has local RS-485 and CAN communications, and advanced remote communications capabilities through Ethernet, 3G and LTE to facilitate its integration into any remote control center, payment platform or charging networks.

Maximum protection and resistance

The equipment has been designed with ease of use and maintenance simplicity in mind. The steel structure guarantees perfect resistance against extreme ambient conditions.



FUNCTIONALITY

- CCS Type 2 rapid charge up to 50 kW.
- CHAdeMO rapid charge up to 50 kW.
- AC Type 2 rapid charge up to 43.5 kW.
- Simultaneous DC & AC rapid charging.
- Authentication through RFID / NFC cards.
- 7" touch screen color display interface.
- Dynamic Load Management.

COMMUNICATIONS

- Local communication with other INGEREV charging points.
- Remote communications Ethernet, 3G, LTE.
- OCPP compatible.

SAFETY

- RCD and MCB protections against overcurrents and indirect contacts.
- Overvoltage Surge Protection.
- Visible and accessible emergency stop button for secure operation.

INGEREV® RAPID Trio	
Input (AC)	
Voltage	3 ph. 400 Vac + N + PE
Frequency	50 Hz
Nominal current	72 A + 63 A
Maximum current	85 A + 63 A
Maximum power	50.5 kVA
Output (DC)	
Maximum power	50 kW
Maximum voltage	500 V
Maximum current	125 A
Efficiency	>94%
Output (AC)	
Voltage	400 Vac
Frequency	50 Hz
Nominal current	63 A
Maximum current	63 A
Maximum power	43.5 kW
IEC 61851-1	
Charge mode	Mode 3 & Mode 4
DC connection case	Case C
AC connection case	Case C
DC connection	CCS Combo 2 + CHAdeMO
AC connection	AC Mode 3 Type 2
Functions / Accessories	
Standard communication	RS-485, CAN, Ethernet, GPRS, 3G (LTE capable)
Standard protocols	OCPP
Protections	
Overcurrent	Circuit Breaker
Indirect contact	Residual Current Device
Overvoltage	Surge arrester protections
General Information	
Dimensions	785 x 700 x 1,900 mm
Weight	470 kg
Operation temperature	-10 °C to +40 °C
Enclosure	Galvanized steel sheet. RAL 9010
Protection rating	IP54
Vandal-proof class	IK08

