

HIGH RELIABILITY AND EFFICIENCY

INGEREV® RAPID 50 is the all-in-one electric vehicle charging station within the INGEREV® product range.

Three different models

The INGEREV® RAPID 50 multi-standard charging station is compatible with all CHAdeMO, CCS and Mode 3 Type 2 AC electric vehicles currently on the market, making it the ideal on-road charging solution. Depending on the charging standard required, three models are available (Trio, Duo & One). Additionally, the INGEREV® RAPID 50 offers the possibility of simultaneous AC and DC charging.

Ingeteam has designed the INGEREV® RAPID 50 product line based on its extensive experience manufacturing power converters, thereby guaranteeing optimal reliability and efficiency.



Fully equipped

The INGEREV® RAPID 50 range features advanced local and remote communications capabilities through Ethernet, 3G and Wi-Fi to facilitate its integration into all types of remote control centers, payment platforms or charging networks by using different OCPP versions (customized and standard). The 7" TFT Color Touch screen improves the user interface and also offers an advertising option.

Maximum protection and resistance

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

	Trio	Duo	One
CCS	✓	✓	✓
CHAdeMO	✓	✓	
AC 43 kW	✓		

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.
- Authentication through RFID / NFC cards.
- 7" TFT color touch display.
- Robust all-weather steel enclosure.
- Possibility of simultaneous AC and DC charging.

COMMUNICATIONS

- Local communication with other INGEREV® charging points.
- Remote communications Ethernet, 3G.
- OCPP compatible (customized and standard).

SAFETY

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

INGEREV® RAPID 50 Trio / Duo / One	
AC Input (for DC output)	
Voltage	3 ph. + N + PE; 400 Vac ±15%
Frequency	50 Hz
Nominal current	77 A
Nominal power	53 kVA
Efficiency	> 94%
Power factor	> 0.98
AC Input (for AC output)¹	
Voltage	3 ph. + N + PE; 400 Vac ±15%
Frequency	50 Hz
Nominal current	63 A
Nominal power	43.5 kVA
Output connectors	AC Mode 3 Type 2
Output (DC)	
Voltage range	50 - 500 V
Maximum current	125 A
Maximum power	50 kW
Connectors	CCS type 2 / CHAdeMO ²
Compliance and Safety	
Standards	IEC 61851-1, IEC 61851-23, IEC 61851-24, CHAdeMO 1.1, DIN 70121, ISO 15118, IEC 61000
Overcurrent	Circuit Breaker at both AC inputs
Indirect contact	Residual current device (RCD) AC input (DC output) 300 mA type A AC input (AC output) 30 mA type A (type B optional) ¹
Overvoltage	Surge Arrester protection type II
Functions Accesories	
Communication	Ethernet, GPRS-3G ³ , Wi-Fi ³
Communication protocol	OCPP (standard and custom versions)
HMI	7" TFT touch screen, RFID (MIFARE Classic 1K&4K, MIFARE DESFire EV1, NFC ³)
General Information	
Cooling system	Forced ventilation
Stand-by consumption	< 100 W
Cable lenght	> 4.2 m
Operating Temperature	-25 °C to 60 °C
Humidity	0 - 95% non-condensing
Weight	620 kg
Size	785 x 700 x 1,900 mm
Enclosure	Galvanized steel sheet. RAL 9003
Protection class	IP55 / IK10 (display and ventilation grids IK08)
Marking	CE
Max. operating altitude	Up to 2,000 m

Note: ¹ Only for Trio model ² Only for Trio and Duo models ³ Optional.

