

RAPID 60





Fast charging solutions for all types of urban and inter-urban environments. Ideal for reduced spaces.

With increasingly efficient vehicles, and with the emergence of new mobility scenarios, at Ingeteam, we have reimagined fast charging. Ingeteam presents the new range of RAPID 60 kW chargers, capable of charging a single vehicle at 60 kW or two vehicles simultaneously at 30 kW. El **new RAPID 60** is a solid and robust charger, designed to resist the most demanding conditions thanks to its construction in galvanized steel and stainless steel. The result is a compact, silent, light and elegant unit, featuring a modern design with clean lines.

The lack of rear ventilation slots means it can be installed against the wall, or with back to back with another RAPID 60. The main design premise was to achieve a silent unit, so that it could be installed in enclosed or urban spaces. It also has a cable management system (CMS) to make it easier to use. This unit is technologically ahead of its time, featuring credit card readers, parking sensors and Plug & Charge technology, not forgetting the dynamic load management between the unit's outputs, between multiple DC and AC units, as well as dynamic balancing with the installation's remaining loads.

	RAPID 60			
	One	One+	Duo	Trio
Connectors	1	2	2	3
Simultaneous charging	✓	✓	✓	✓
Connector type	CCS	CCS + AC T2S	CCS + CCS CCS + CHAdeMO	CCS + CCS + AC T2S CCS + CHAdeMO + AC T2S

RAPID 60 IN DATA

Functions

- Highly resistant enclosure, either galvanized steel or stainless steel.
- No ventilation slots on the back, can be installed against the wall or two units back to back.
- Can be positioned with a crane and pallet truck.
- Cable management system (CMS).
- Simultaneous AC and DC charging:
 - DC: DC charging at 60 kW.
Dual charging at 30 kW.
 - AC: 22 kW.
- Integrated DC wattmeters.
- AC MID wattmeter.

HMI

- RGB status LEDs on supports and 360° ring.
- RFID reader.
- 10.1" color touchscreen, multi-language.

Communications and software

- Dual Ethernet port with Switch mode.
- RS485.

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

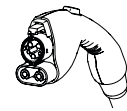
Safety

- Built-in electrical protections.
- Security lock with key.
- Door-opening sensor.

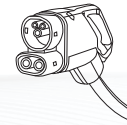
Options

- GPRS - 2G/3G/4G communication.
- Ethernet switch kit for 8 ports.
- Contactless bank card reader.
- Emergency button.
- Connector locking system.
- Parked vehicle detector.
- Self-resetting differentials.
- Smart DLM.
- Cloud Manager.

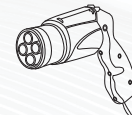
CONNECTORS



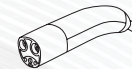
CCS1 150
CCS Type 1 150 A



CCS2 150
CCS Type 2 150 A



Cha125
ChadeMO 125 A



NACS



AC 22 kW
Type 2 socket
with shutters



	RAPID 60 One	RAPID 60 One+	RAPID 60 Duo	RAPID 60 Trio
AC INPUT				
	3 phases + N + PE			
Voltage	380/400 Vac ±15%			
Frequency	50/60 Hz ±5%			
Rated current	96 A	128 A (96 A + 32 A)	96 A	128 A (96 A + 32 A)
Rated power	60 kW	82 kW (60 kW + 22 kW)	60 kW	82 kW (60 kW + 22 kW)
DC OUTPUT				
Voltage range	150 - 1000 V			
Maximum current	150 A	150 A	200 A (100 A + 100 A)	
Maximum power	60 kW	60 kW	60 kW (30 kW + 30 kW)	
Charging connectors	CCS	CCS	CCS + CCS CCS + CHAdeMO	CCS + CCS CCS + CHAdeMO
AC OUTPUT (OPTIONAL)				
Voltage	-	230/400 Vac ±15%	-	230/400 Vac ±15%
Maximum current	-	32 A	-	32 A
Maximum power	-	22 kW	-	22 kW
Charging connectors	-	Type 2 socket with shutters	-	Type 2 socket with shutters
REGULATIONS AND SAFETY				
Standards	IEC 61851-1, IEC 61851-21-2, IEC 61851-23, IEC 61851-24 IEC 62196-2, IEC 62196-3, IEC 61000: DIN70121, ISO15118			
Overcurrent	Curve C circuit breaker protections (20 kA)			
Indirect contacts ⁽¹⁾	30 mA differential protections ⁽²⁾			30 mA (DC) differential protections ⁽²⁾ 30 mA type B (AC) differential protection
Overvoltages	Type 2 protection against permanent and transient overvoltages, both on DC inputs and outputs			
FUNCTIONALITIES AND ACCESSORIES				
Communication interfaces	Ethernet (Switch mode), RS485, GPRS - 2G/3G/4G (optional), dual SIM (optional)			
Communication protocols	OCPP 1.6, 2.0.1, Modbus RTU, Modbus TCP, MQTT			
HMI	10.1" color touchscreen, multi-language RFID reader (Mifare Classic 1K&4K, Mifare DesFire EV1, NFC) 360° status RGB LEDs Contactless bank card reader (optional)			
Plug & Charge (ISO15118)	Yes			
GENERAL INFORMATION				
Stand-by consumption	< 70 W			
Efficiency and power factor	> 95% at rated power; > 0.98			
Energy measurement	DC meter			AC (MID) and DC meter ⁽³⁾
Hose length	5 m (4.4 m usable length) with cable management system (CMS) included			
Operating temperature	-25 °C to 55 °C (derating from 40 °C) Low temperature kit at -35 °C (optional)			
Humidity	< 95%			
Maximum altitude	2,000 m (for higher altitudes, consult Ingeteam)			
Weight	140 kg	145 kg	160 kg	165 kg
Dimensions (h x w x d)	1950 x 760 x 335 mm			
Enclosure	Galvanized steel (stainless steel optional) RAL 9003			
Protection class	IP54 / IK10 / C5H			
Ventilation system	Side air ventilation			
Sound level	< 55 dB			
Markings	CE			
Directives	Low Voltage Directive: 2014/35/EU EMC Directive: 2014/30/EU RED Directive 2014/53/EU			

Notes

⁽¹⁾ Manual or resettable protection depending on the model.

⁽²⁾ Protection type A or type B depending on the model.

⁽³⁾ MID French market certification and Eichrecht certification in development.