

RAPID 60



Changing the **answer is** EVOLUTION Changing the **question is** REVOLUTION

With increasingly efficient vehicles, and with the rise of new mobility scenarios, we at Ingeteam have re-imagined fast charging.

Ingeteam presents the new range of 60 kW RAPID chargers, capable of charging a single vehicle at 60 kW or two vehicles at 30 kW simultaneously. The **new RAPID 60** is a solid and robust charger, designed to withstand the most demanding conditions, thanks to its galvanised steel or stainless steel construction. The result is a compact, quiet, lightweight and elegant unit with a modern design and clear lines.

The absence of rear ventilation slots allows installation against a wall, or with another RAPID 60 back to back. The main design premise has been to achieve a silent equipment, to make possible its installation in indoor or urban spaces, in addition, it has a retractable cable management system, for greater convenience of use. This equipment is technologically advanced for its time, with credit card readers, parking sensors and Plug & Charge technology, without forgetting dynamic power management among the equipment's outputs, between multiple DC and AC equipment, as well as dynamic balancing with the rest of the loads in an installation.

	RAPID 60 One	RAPID 60 Duo	RAPID 60 Trio
Connector types	CCS 60	CCS + CCS CCS + CHAdeMO	CCS + CCS + AC T2S CCS + CHAdeMO + AC T2S

KEY FEATURES

- Retractable cable management system.
- High-strength metal body, choice of galvanised steel or stainless steel.
- Positionable with forklift and pallet truck
- Without ventilation slots at the rear, can be installed against a wall or two units back to back.
- Simultaneous AC and DC charging:
 - DC: DC load at 60 kW.
Dual DC charging at 30 kW.
 - AC: 22 kW.

HMI

- 360° RGB status LEDs on holders and charger's top.
- RFID reader.
- 10.1", multi-language colour touch screen.

SECURITY

- Built-in electrical protections.
- Emergency push-button.
- Type 2 socket with shutters.

COMMUNICATIONS & SOFTWARE

- Dual Ethernet port with switch mode.
- OCPP, Autocharge, Plug & Charge.
- DLM, static and dynamic power management with other Ingeteam DC and AC equipment.
- Web Manager.
- Modbus TCP, MQTT.

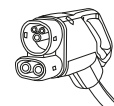
OPTIONS

- Contactless bank card reader.
- 4G.
- Connector locking.
- Smart DLM.
- Cloud Manager.

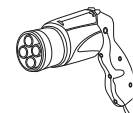
CONNECTORS



CCS1 150
CCS Type 1 150 A



CCS2 150
CCS Type 2 150 A



CHA125
CHAdeMO 125 A



AC 22 kW
Socket Type 2
with shutters

	RAPID 60 One	RAPID 60 Duo	RAPID 60 Trio
Model	R60xxN-NNC1 R60xxN-NNC2	R60xxN-C1C1 / R60xxN-H1C1 / R60xxN-C2C2 / R60xxN-H1C2	R60xxM-C1C1 / R60xxM-H1C1 / R60xxM-C2C2 / R60xxM-H1C2
AC Input	3 phases + N + PE		
Voltage	380/400/480 Vac ±15%		
Frequency	50/60 Hz ±5%		
Maximum Current	96 A	96 A	96 A + 32 A
Maximum Power	60 kW	60 kW	60 kW + 22 kW
DC Output			
Voltage	150-1000V		
Maximum Current	150 A nominal		
Maximum Power	60 kW	60 kW single DC charge 30 kW + 30 kW dual DC charge	
Outputs	CCS	CCS + CCS (22N) CCS + CHAdeMO (2HN)	CCS + CCS (22S) CCS + CHAdeMO (2HS)
AC Output	3 phases + N + PE, 50/60 Hz		
Voltage	-	-	230/400 Vac ±15%
Maximum Current & Power	-	-	32 A
Maximum Power	-	-	22 kW
Outputs	-	-	Socket Type 2, shutters
Compliance & Safety			
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: DIN70121, ISO15118		
Surge Protection	Four pole transient overvoltage protection IEC 61643-1 (class II)		
Overcurrent	MCBs curve C		
Indirect contact**	RCD 30mA	RCD 30mA	RCD 30mA (DC) * RCD B 30mA (AC)
Functions			
Communication Interfaces	RS485, Ethernet (switch mode), 4G (optional), double SIM (optional)		
Communication Protocols	OCPP 1.6, 2.0.1, Modbus RTU, Modbus TCP, MQTT		
Display	10.1' TFT multi-language touch colour screen		
LEDs	360° Status RGB LEDs		
RFID	RFID reader (Mifare Classic 1K&4K, Mifare DesFire EV1, NFC)		
Plug & Charge (ISO15118)	Yes		
Contactless payment	Front installation of the payment terminal (optional)		
General information			
Stand-by consumption	< 100 W		
Cable length ¹	4.4 m usable with retractable system included		
Efficiency	>95% at nominal power		
Power Factor	> 0,98		
THD	< 5%		
Cooling system	Lateral air cooling fans		
Energy metering	DC meter Eichrecht ***	DC meter Eichrecht ***	AC MID / DC meter Eichrecht ***
Operating Temperature	-35°C to 50°C Low temperature kit (optional)		
Humidity	<95% non-condensing		
Maximum height	2000m (without derating)		
Weight	140 kg	160 kg	165 kg
Size (width x depth x height)	1.950 x 760 x 335 mm		
Enclosure	Galvanized steel (stainless steel optional) RAL 9003		
Protection class	IP54 / IK10 / C5H		
Acoustic Noise	< 55 dB		
Marking	CE, UL		
Directives	Low Voltage Directive: 2014/35/EU EMC Directive: 2014/30/EU RED Directive: 2014/53/UE		

Notes *Both RCD type A and DC type B options are available.
**Manual or resettable protection, depending on model.
***In progress.