



The ULTRA-RAPID CHARGING station



Ultra-rapid charging stations play a key role in the complete expansion of e-mobility.

The Ingeteam ultra-rapid charging station solution is based on an innovative DC distribution architecture, for maximum simplicity of the installation as well as the easy integration of storage and PV energy.

It offers all the advantages of the latest generation SiC electronics, while combining an extremely compact size, high efficiency and reliability.

INGEREV® RAPID ST200 and ST400 are the ideal ultra-rapid charging points for service stations with a high turnover. Compatible with the CHAdeMO and CCS standards, they are the perfect solution for charging all types of e-vehicles.

	ST200 ONE	ST400 ONE	ST200 DUO	ST400 DUO
Connectors	1	1	2	2
Simultaneous charging				✓

FEATURES

- Ultra-rapid charging in CCS up to 400 kW.
- Super-rapid charging in CHAdeMO up to 100 kW.
- RFID / NFC card authentication.
- 7" color touch screen.
- Ambient light.
- Simplicity and efficiency in the integration of storage systems.
- Built-in DC wattmeter.

COMMUNICATIONS

- Communication Modbus TCP.
- Compatibility with OCPP.

SAFETY

- Highly visible emergency button to guarantee safety of use.
- Automatic software updates (OCPP, ISO15118, etc.) for the entire product life.

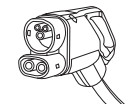
OPTIONS

- 21" advertising screen.
- Contactless card payment solution (Ingenico).
- Complete supply of satellites, central inverter and sub-station.
- Remote communication via Ethernet and 3G/4G.

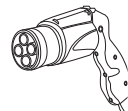
CONNECTOR TYPES



CCS1 300/500
CCS Type 1
300 or 500 A



CCS2 300/500
CCS Type 2
300 or 500 A



CHA125
CHAdeMO 125 A



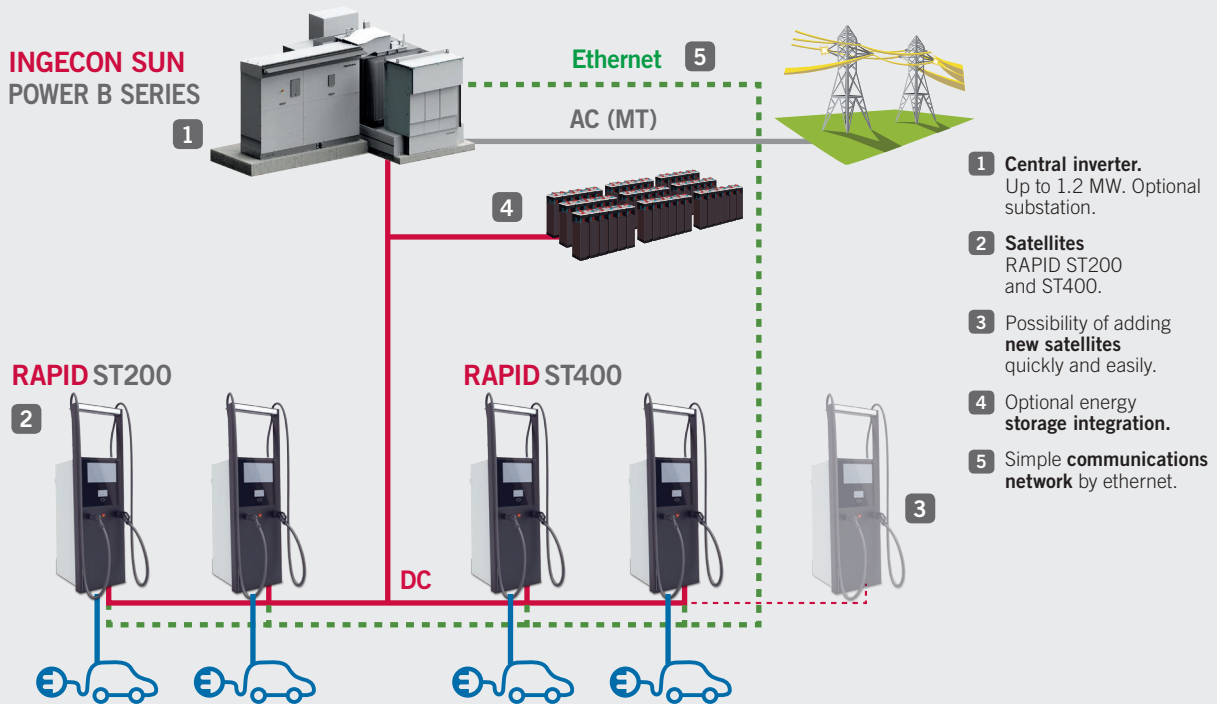
CHA200
CHAdeMO 200 A



Central inverter AND SATELLITES **RAPID ST**



DIAGRAM OF THE INSTALLATION



- 1 Central inverter.**
Up to 1.2 MW. Optional substation.
- 2 Satellites**
RAPID ST200 and ST400.
- 3** Possibility of adding **new satellites** quickly and easily.
- 4** Optional energy **storage integration**.
- 5** Simple **communications network** by ethernet.



Central inverter AND SATELLITES **RAPID ST**

	Charging Satellites	
Input (DC)	INGEREV® RAPID ST200	INGEREV® RAPID ST400
Rated input current	200 A	400 A
DC output	50 - 1000 Vdc	
Voltage range	50 - 1000 Vdc	
Maximum current	250 A up to 500 Vdc, 200 A up to 1000 Vdc	500 A up to 500 Vdc, 400 A up to 1000 Vdc
Maximum power	200 kW	400 kW
Connectors	CCS Type 2 / CHAdeMO	
General information	Integrated liquid cooling	
Cooling system	3P+N 400V	
Auxiliary power supply	4.8 m	
Length of cables	Type III surge arresters	
Standards and Safety	IEC 61851-1, IEC 61851-23, IEC 61851-24, CHAdeMO 1.0.0, DIN 70121, ISO 15118, IEC 61000	
General standards	Continuous monitoring of insulation	
Indirect contacts	Type III surge arresters	
Overvoltages	775 x 935 x 2,620 mm (W x D x H)	
Dimensions and weight	430 kg	
Dimensions	530 kg	
Weight		
	Central inverter	
	1110TL B400	
Input (AC)	1,020 kVA	
Power at @35 °C / @50 °C	1,600 A / 1,472 A	
Current at @35 °C / @50 °C	3P 400 V IT System	
Rated voltage	50 / 60 Hz	
Frequency	Yes, 0-1 (leading /lagging)	
Adjustable Power Factor	<3%	
THD (Total Harmonic Distortion)	Type II surge arresters	
Overvoltage protections	AC MT breaker, door operated, remote tripping or motor driven	
AC breaker	580 - 820 V	
Storage		
Battery voltage range	2,820 x 825 x 2,270 mm (W x D x H)	
Dimensions and weight	1560 kg	
Dimensions		
Weight		
	Installation	
General data	-20 °C to +60 °C	
Operating temperature	0 - 100%	
Relative humidity (non-condensing)	IP54 / IK10 (display and ventilation grid IK08)	
Protection rating	C5H	
Corrosion protection	4,500 m (for installations above 1,000 m contact the sales department)	
Maximum altitude	CE	
Product marking		