

# 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



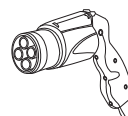
**CCS1 300/500**  
CCS Type 1  
300 or 500 A



**CCS2 300/500**  
CCS Type 2  
300 or 500 A



**CHA125**  
CHAdeMO 125 A

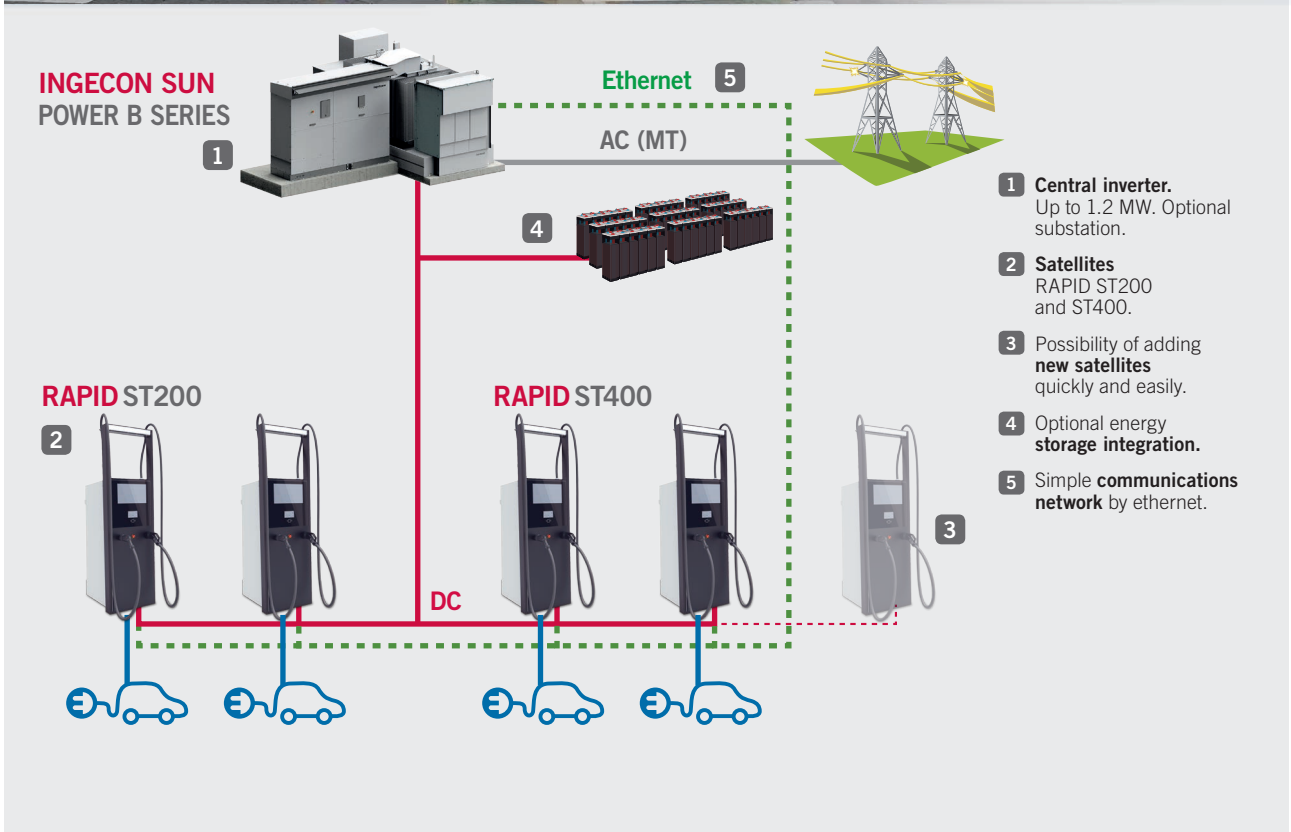


**CHA200**  
CHAdeMO 200 A

# Central inverter AND SATELLITES **RAPID ST**



DIAGRAM OF THE INSTALLATION



# Central inverter AND SATELLITES **RAPID ST**

	Charging Satellites	
Input (DC)	INGEREV® RAPID ST200	INGEREV® RAPID ST400
Rated input current	200 A	400 A
<b>DC output</b>	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	
<b>General information</b>	Integrated liquid cooling	
Cooling system	3P+N 400V	
Auxiliary power supply	4.8 m	
Length of cables	Type III surge arresters	
<b>Standards and Safety</b>	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)	
<b>Dimensions and weight</b>	430 kg	
Dimensions	530 kg	
Weight		

	Central inverter
Input (AC)	1110TL B400
Power at @35 °C / @50 °C	1,020 kVA
Current at @35 °C / @50 °C	1,600 A / 1,472 A
Rated voltage	3P 400 V IT System
Frequency	50 / 60 Hz
Adjustable Power Factor	Yes, 0-1 (leading /lagging)
THD (Total Harmonic Distortion)	<3%
Overvoltage protections	Type II surge arresters
AC breaker	AC MT breaker, door operated, remote tripping or motor driven
<b>Storage</b>	580 - 820 V
Battery voltage range	2,820 x 825 x 2,270 mm (W x D x H)
<b>Dimensions and weight</b>	1560 kg
Dimensions	
Weight	

General data	Installation
Operating temperature	-20 °C to +60 °C
Relative humidity (non-condensing)	0 - 100%
Protection rating	IP54 / IK10 (display and ventilation grid IK08)
Corrosion protection	C5H
Maximum altitude	4,500 m (for installations above 1,000 m contact the sales department)
Product marking	CE