



# Rapid Charging System

Easy convenient power

The Rapid Charging System consists of a Power Cabinet and Dispenser Column. It is an ideal solution for motorway and public charging due to its variable power output and split unit design.



High ease of use due to a customizable touchscreen, a simple tap payment terminal and cable management system



Capable of charging one vehicle at 100% of charger power or two vehicles simultaneously at 50% of charger power



Available in power levels of 100, 150 and 300 kW

# Rapid Charging System



**Power Options:** The Heliox Rapid System consists of one Power Cabinet for the 100 or 150 kW configurations, or two Power Cabinets for the 300 kW configuration. Any configuration requires a single Dispenser Column or Cabinet which comes in either a 250 A or 400 A version, or a Dispenser Cabinet which comes in a 500 A version. Both Dispenser variations come with dual CCS connectors capable of delivering either 50, 75, 150 or 300 kW.

**94%  
Efficiency**



**Convenient:** The Rapid Charging System is easy to use due to its large touchscreen, cable management system and payment terminal. After identification with the RFID reader or a direct payment, the user only has to connect the plug into the vehicle and the charging process starts automatically.

## General

Charging standard	2x CCS type-2 (IEC 62196)
Compliance and safety	CE / EN 55011 / IEC61000 -6-4-2 /
Communication standard	DIN 70121   ISO 15118
Power factor	> 0,99
Power conversion efficiency	> 94%
Network connection	4G LTE / 3G UMTS / 2G GPRS
Display	10" Touchscreen LCD
Protocol	OCPP 1.5 / 1.6 j
Protection	IP54 / IK10 (screen: IK8)
Operating environment	Outdoor
Operating temperature	-30 to 50 °C (derating > 40 °C)
Operational noise level	<65 dB(A) @ 1 m
System weight power cabinet	500 kg
System weight pedestal	250 kg
Power Cabinet Dimensions	H: 2325 mm, W: 700 mm, D: 800 mm
Kiosk (User interface unit) Dimensions	H: 2135 mm, W: 670 mm, D: 400 mm
RFID Authentication	Yes (OCPP 1.6J)
Cable length	Standard: 4 m, Optional: 6 m or 10 m
Wrapping (optional)	Custom branded
Display branding (optional)	Custom branded
Payment terminal (optional)	VISA / MasterCard / Maestro / ApplePay / GooglePay / SamsungPay

## Input

Input connections	3P + PE
Input AC line-line voltage range	400 V $\pm$ 10%
Input AC current; maximum	264 A (150 kW) 528 (300 kW) per phase

## Output

Output DC voltage	0-250 or 0-400 A
Output DC current range	0 - 400 A
Output DC power	150 kW (300 kW with two power cabinets High Voltage mode)

## Interfaces



Dispenser Column

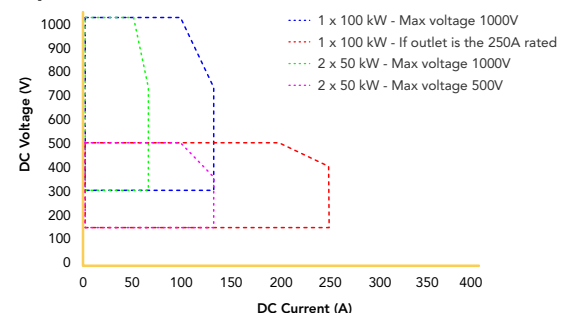


Dispenser Cabinet

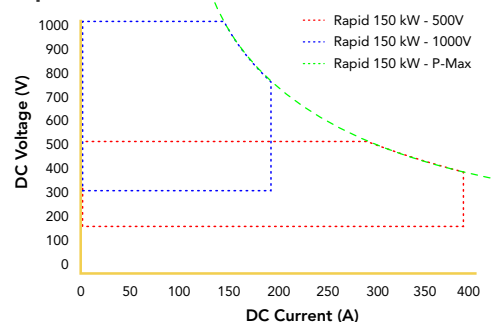


CCS2

Rapid 100 kW Power Curves



Rapid 150 kW Power Curves



Rapid 300 kW Power Curves

