

# Flex 180 kW

Versatility. Flexibility. Scalability.

Whether you need:

- Overnight or opportunity charging
- Static or dynamic charging
- To serve 1, 2 or 3 vehicles with 1 charger

The Flex 180 kW can do it all

Designed and manufactured in the EU - small footprint, high durability, built to last 15+ years

Dynamic charging of up to 3 vehicles when equipped with power router

Our Flex Charge System is compatible with any common interface

heliox

# Flex 180 kW System

**96.3%  
Efficiency**

The Flex 180 kW System comes in four different configurations:

**Static 1 x 180 kW:**  
Charge 1 vehicle at  
180 kW through  
1 Power Cabinet  
+ 1 Dispenser

**Static 3 x 60 kW:**  
Charge 3 vehicles  
simultaneously at a  
fixed power level of  
60 kW through  
1 Power Cabinet  
+ 3 Dispensers

**Dynamic Spit-Unit:**  
Charge 3 vehicles  
simultaneously at a  
variable power level of  
60, 120 or 180 kW  
through 1 Power Cabinet  
+ 3 Dispensers

**Dynamic All-in-One:**  
Charge 3 vehicles  
simultaneously at a variable  
power level of 60, 120 or 1  
80 kW through 1 Power Cabinet  
(with integrated CCS2 connection)  
+ 2 Dispensers

## General

Charging standard	IEC61851-1/23
Communication standard	IEC61851-24 / DIN70121 / ISO15118-1/2/3 ed1 (incl. V2ICP/VDV261 support)
CE Conformity	EMC: IEC61851-21-2
Safety	IEC61851-23
Power factor above	> 0.98
50% DC Output power	
Peak efficiency	96.3%
Dielectric withstand	3000 V
Network cellular	4G modem, LAN
Back office	OCPP 1.6J/2.0, Chargesight
Temperature range	-30 to 50 °C (without derating)
Operational noise level	<60 dB(A) @ 1 m
Power cabinet weight	600 kg
Dimensions	H: 2300 mm, W: 800 mm, D: 800 mm
Protection	IP54 / IK10
Environment operating	ISO 12944: C4 H
Cable length	Standard: 3.0 m, Optional 6.5 m / 10.0 m

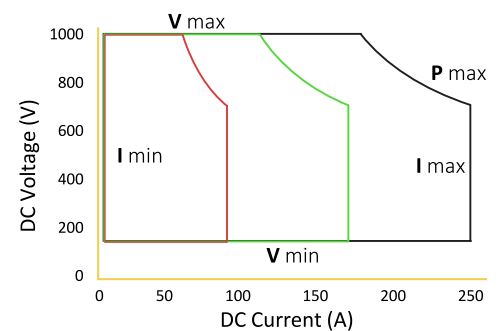
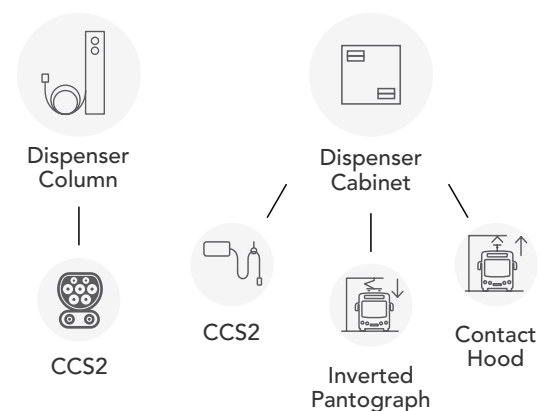
## Input

Input connections, Frequency	3P + PE / 3P + N + PE, 47-63 Hz
Input power	200 kVA @ full load, 100 VA @ Idle
Input line-line voltage range	400 V AC +/- 10%
Input current	280 A @ 400 V AC, inrush current limited

## Output

Output DC voltage range	150 - 1000 V
Rated DC output power	Single output: 1 x 180 kW Static triple output: 3 x 60 kW Dynamic output: 60 / 120 / 180 kW
Maximum DC output current	Single output: 1 x 180 kW: 250 A Static triple output: 3 x 60 kW: 83 A each Dynamic output: 83 / 167 / 250 A

## Interfaces



**Output:**

— 60 kW — 120 kW — 180 kW

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