

ED 503 / 502 / 501

Charging stations



ED 503 / 502 / 501

It is the first multi-standard charging point for electric vehicles of the range of products offered by Cetil Ecotechnology.

The ED 503 charging point is compatible with all current fast charging standards, CHAdeMO, CCS and Type 2 Mode 3 43 kW, making it the ideal solution for charging all types of electric vehicles.

Cetil Ecotechnology is collaborating with Ingeteam with the objective of offering a trustworthy product with the highest quality and the backing of both companies, which assures a reliable operation and a first rate after-sales service.

Standard configuration

- Rapid charging in CCS Type 2 up to 50 kW
- Rapid charging in CHAdeMO up to 50 kW
- Rapid charging in AC Type 2 up to 43.5 kW
- Possibility of simultaneous AC and DC charging
- Communication with POS through IFSF-LON protocol
- RCD and MCB protections against indirect contacts, short-circuits and overloads
- Highly visible emergency button to guarantee safety of use
- Sturdy steel housing

Several connectors available:

	503	502	501
CCS	✓	✓	✓
CHAdeMO	✓	✓	
AC 43kW	✓		

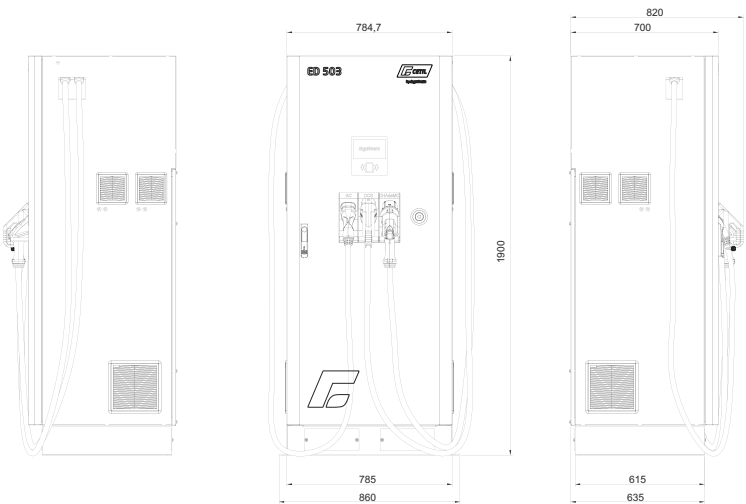
Configurations and dimensions

Size (mm)

Width: 785

Height: 1.900

Depth: 700



ED 503 / 502 / 501
AC input (DC output)

Voltage	3 ph. + N + PE; 400 Vac $\pm$ 15%
Frequency	50 Hz
Rated current	77 A
Rated power	53 kVA
Efficiency	>94%
Power factor	>0,98

AC input (AC output)

Voltage	3 ph. + N + PE; 400 Vac $\pm$ 15%
Frequency	50 Hz
Rated current	63 A
Rated power	43,5 kVA
Output connectors	Mode 3 AC type 2

Output values (DC)

Voltage range	50 - 500 V
Maximum current	125 A
Maximum power	50 kW
Connectors	CCS Type 2 / CHAdeMO ⁽¹⁾

Standards and Safety

General standards	IEC 61851-1, IEC 61851-23, IEC 61851-24, CHAdeMO 1.0.0, DIN 70121, ISO 15118, IEC 61000
Over-current	Short-circuits at the two AC inputs
Indirect-contacts	Residual current device (RCD) AC input (DC output) 300 mA type A AC input (AC output) 30 mA type A (type B optional) ⁽²⁾
Over-voltages	Type 3 surge arresters

General information

Cooling system	Forced ventilation
Consumption in stand-by mode	<100 W
Cable length	3,2 m ⁽³⁾
Operating temperature	-25 °C to + 60 °C
Humidity	0 - 95% - without condensation
Weight	620 kg
Dimensions	785 x 700 x 1.900 mm
Structure and housing	Galvanized steel sheet. RAL 9003
Environmental protection rating	IP55 / IK10 (display and ventilation grid IK08)
CE Marking	CE
Maximum operating height	Up to 2.000 m

Notes: ⁽¹⁾ Only for models 503 and 502 ⁽²⁾ Only for model 503 ⁽³⁾ 4.8m optional.

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MID, ATEX and PED Directives