



ELECTRIC  
CHARGE

FAST, HIGH POWER, MULTIFUNCTION AND INTELLIGENT, THE ELECTRIC CHARGER OF THE FUTURE WITH SIMULTANEOUS CHARGING CAPABILITY FOR TWO VEHICLES

# FLASH ULTRA™

## 01. Fast charging from 90 to 180 kW-DC

Ultra-fast, high-power, multifunction and smart charging stations.

## 02. Ease of use

If there is only one vehicle charging in DC, all the power of the terminal goes to this single vehicle. At the moment that another DC vehicle is plugged into the other DC socket, the power is divided by distributing it into 30 KW modules as indicated:

- 90 kW (60kw/30kw)
- 120 kW (60kw/60kw)
- 150 kW (90kw/60kw)
- 180 kW (90kw/90kw).

## 03. Design

Designed to be installed in charging stations, vehicle dealerships and transport fleets.



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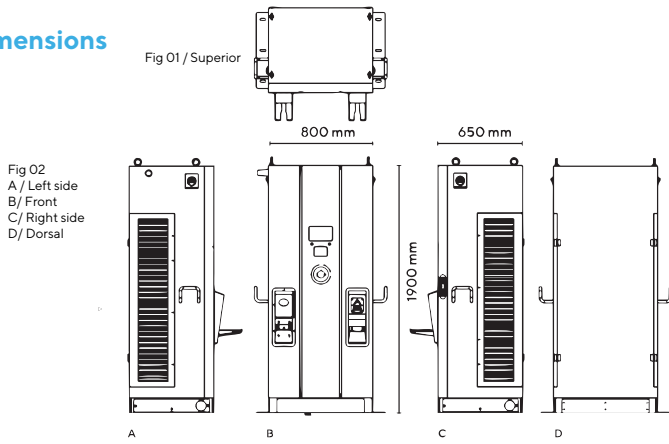
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## Dimensions



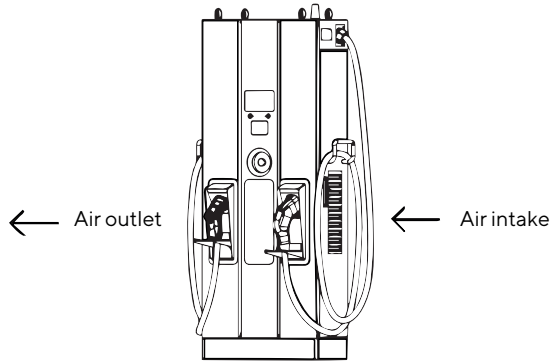
## Features

- Simultaneous charging of several vehicles.
- High power.
- User authentication.
- 7" LCD screen.
- CCS2 Connector.
- OCPP Compliant.
- IP55 Protection.

## Design

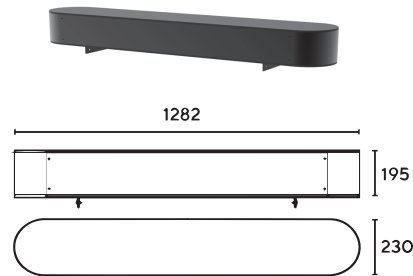
- Avant-garde and ergonomic design, ideal for electric charging stations in companies, charging stations or transport fleets.

## Ventilation



## Additional modules

- Hose management system.



## Characteristics

Power specifications	90 kW	120 kW	150 kW	180 kW
Input voltage	3Φ 380-415 Vac (±15%)	3Φ 380-415 Vac (±15%)	3Φ 380-415 Vac (±15%)	3Φ 380-415 Vac (±15%)
AC input connection	3P+N+PE, TN/TT/IT	3P+N+PE, TN/TT/IT	3P+N+PE, TN/TT/IT	3P+N+PE, TN/TT/IT
Maximum input current	DC System: 3Φ170 A	DC System: 3Φ220 A	DC System: 3Φ170 A	DC System: 3Φ170 A
Frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
Power factor	>0.99	>0.99	>0.99	>0.99
Efficiency	>94%, at optimal V/I point	>94%, at optimal V/I point	>94%, at optimal V/I point	>94%, at optimal V/I point
Output voltage range	• CCS2: 150-950 Vdc / 250 A max. • CHAdeMO: 150-500 Vdc / 120 A max.	• CCS2: 150-950 Vdc / 250 A max. • CHAdeMO: 150-500 Vdc / 120 A max.	• CCS2: 150-950 Vdc / 250 A max. • CHAdeMO: 150-500 Vdc / 120 A max.	• CCS2: 150-950 Vdc / 250 A max. • CHAdeMO: 150-500 Vdc / 120 A max.
Maximum power output	DC System: 90 kW	DC System: 120 kW	DC System: 150 kW	DC System: 180 kW
Voltage accuracy	±2%	±2%	±2%	±2%
Current accuracy	±2%	±2%	±2%	±2%

## User and control interface

Screen	TFT-LCD 7"	TFT-LCD 7"	TFT-LCD 7"	TFT-LCD 7"
Keypad	Run button / Emergency stop	Run button / Emergency stop	Run button / Emergency stop	Run button / Emergency stop
User authentication	RFID: supports ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966) OCPP 1.6 J5ON (soon OCPP 2.0.1)	RFID: supports ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966) OCPP 1.6 J5ON (soon OCPP 2.0.1)	RFID: supports ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966) OCPP 1.6 J5ON (soon OCPP 2.0.1)	RFID: supports ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966) OCPP 1.6 J5ON (soon OCPP 2.0.1)

## Communication

External	Ethernet, Wi-Fi and 4G	Ethernet, Wi-Fi and 4G	Ethernet, Wi-Fi and 4G	Ethernet, Wi-Fi and 4G
Internal	CAN bus / RS485	CAN bus / RS485	CAN bus / RS485	CAN bus / RS485

## Environmental

Operating temperature	-30°C~50°C, power reduction from 50°C	-30°C~50°C, power reduction from 50°C	-30°C~50°C, power reduction from 50°C	-30°C~50°C, power reduction from 50°C
Maximum relative humidity	5%~95% RH, no condensation	5%~95% RH, no condensation	5%~95% RH, no condensation	5%~95% RH, no condensation
Altitude	≤ 2000 m	≤ 2000 m	≤ 2000 m	≤ 2000 m
IP/IK level	IP55 / IK10	IP55 / IK10	IP55 / IK10	IP55 / IK10
Cooling	Forced ventilation	Forced ventilation	Forced ventilation	Forced ventilation

## Mechanics

Size	800x650x1900 mm ±1%	800x650x1900 mm ±1%	800x650x1900 mm ±1%	800x650x1900 mm ±1%
Weight	≤ 395 kg ±1%	≤ 420 kg ±1%	≤ 445 kg ±1%	≤ 470 kg ±1%
Hose length	4 m	4 m	4 m	4 m

## Protections

Input protections	OVP, OCP, OPP, OTP, UVP, RCD, SPD	OVP, OCP, OPP, OTP, UVP, RCD, SPD	OVP, OCP, OPP, OTP, UVP, RCD, SPD	OVP, OCP, OPP, OTP, UVP, RCD, SPD
Output protections	OCP, SCP, OVP, LVP, OTP, IMD	OCP, SCP, OVP, LVP, OTP, IMD	OCP, SCP, OVP, LVP, OTP, IMD	OCP, SCP, OVP, LVP, OTP, IMD

## Regulations

Security	CB, CE	CB, CE	CB, CE	CB, CE
Charging interface	CHAdeMO V1.2, DIN 70121, ISO15118	CHAdeMO V1.2, DIN 70121, ISO15118	CHAdeMO V1.2, DIN 70121, ISO15118	CHAdeMO V1.2, DIN 70121, ISO15118

## Certificaciones

CE, IEC 61851-1, IEC 61851-23, IEC 61851-21-2