



Everflash 502A

## Description

**EVERFLASH** is a 50kW ultra-fast DC and up to 43kW AC fast charger whose flexible configuration allows the charge of every electric vehicle in the market. It supports CCS & CHAdeMO protocols for DC fast charging and also fast AC charging, making it the perfect alternative for all customer needs.

**EVERFLASH** is the ideal solution for electric vehicle users, electrical utilities, fleet operators and future petrol stations when a fast charging is required, because it offers the shortest charging times.

The **EVERFLASH** electronic power section consists of an AC/DC power converter with an efficiency of 95%. The mechanical lay-out has been created to make installation and maintenance very easy and inexpensive; using a silent air forced cooling system without air filters (GH patented).

A user interface with a 5.7" color screen makes the charging procedure very easy and intuitive, showing all the relevant information during the charging process.

## Benefits

**EVERFLASH** is equipped with a contactless user identification system (RFID) allowing authentication, billing procedures and statistics data collection.

- **Very short charging times**, typically between 15 and 30 minutes.
- **Weather-resistant** thanks to a high quality stainless steel cabinet.
- **Very easy and inexpensive maintenance** due to the separation of the cooling system from the power electronics section. No air filters needed (GH patented).
- **Very low noise levels**, almost inaudible charging session.
- **Fully customizable**, color and logo of the customer on request.
- **A robust vandal-proof color display** guarantee an easy charging process guided

**EVERFLASH** can be connected to external networks in order to provide the following services:

- Usage statistics, including user identification and electrical parameters.
- Remote information of the main parameters during the charging process.
- Remote firmware upgrade.
- OCPP ready.



Remote management



Everflash 501

Everflash 502

Everflash 502A

Every Everflash configuration is possible



DC



50 kW



Ultra fast



RFID



OCPP.  
Open Charge Point Protocol



CHAdeMO



[www.gheverdrive.com](http://www.gheverdrive.com)

INPUT	
Supply voltage	400VAC $\pm$ 10%-3 phases+earth +Neutral (with AC option)
Frequency	50-60Hz $\pm$ 5%
Input current	80A + 63A (with AC option)
Input power	55.4kVA + 43kVA (with AC option)
Power factor (at maximum power)	>0.95
DC OUTPUT	
Maximum output power	50kW
Maximum output current	120A (CHAdeMO) 125A (Combo-2)
Output voltage range	50 - 500V
AC OUTPUT	
Maximum output power	43kW
Maximum output current	3x63A
Output voltage range	400V $\pm$ 10%
GENERAL SPECIFICATIONS	
Efficiency	95% (for rated power)
Emergency Stop button	Yes
Charging mode	Mode 4 (IEC 61851-1) for DC Mode 3 (IEC 61851-1) for AC
DC Charging protocol	CHAdeMO EN61851-23 / DIN 70121 Combo-2
AC Charging standard	IEC 61851-1:2010
DC Connector	JEVS G105 CHAdeMO Combo-2
AC Connector	IEC62196 type 2
MECHANICAL SPECIFICATIONS	
Housing	Stainless steel
Size (depth x width x height)	650mm x800mm x1900 mm
Weight	460kg
Cabinet protection	IP55, IK10
Cooling	Forced air

APPLICABLE STANDARDS	
CE certification	
CHAdeMO	
ENVIRONMENTAL CONDITIONS	
Environment temperature	-10 to +40°C -25 to +40°C (low temperature option)
Maximum humidity	90% without condensation
USER INTERFACE	
Screen	TFT Led 5.7" color display
Push buttons	Start-stop illuminated push buttons.
Information	<ul style="list-style-type: none"> <li>-State of Charge of the battery</li> <li>-Charging time</li> <li>-Estimated remaining time for end of charging and elapsed time</li> <li>-Connection failure information</li> <li>-Output energy, power, voltage and current</li> </ul>
User-interface languages	Spanish, English, German, Danish, Norwegian Portuguese. Other languages also available on request
COMMUNICATION	
Ethernet	yes
GSM/GPRS modem	Optional
Communication protocol	OCPP (Open Charge Point Protocol)
IDENTIFICATION SYSTEM	
RFID reader	ISO 14443 Type A 13.56MHz (other RFID cards on request)
OPTIONALS	
Anti-graffiti coating	On request
Barriers and protections	On request
Everflash 500 (CHAdeMO) Everflash 501 (CCS) Everflash 502 (CHAdeMO + CCS) Everflash 500A (CHAdeMO + AC) Everflash 501A (CCS + AC) Everflash 502A (CHAdeMO + CCS + AC)	
Specifications subjected to minor changes.	

#### HEADQUARTERS

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