



## Description

**EVERFLASH CHADEMO** is a 50kW ultra-fast DC charger for electric vehicles, which complies with the CHAdEMO's charging protocol.

**EVERFLASH** is an ideal solution for vehicle users, electrical utilities and future petrol stations when a fast charging is required, because it offers much shorter charging times than other solutions.

The **EVERFLASH** electrical power section consists of an AC/DC high frequency power converter with an efficiency of 95%, that with a dedicated mechanical lay-out, makes it possible to use a silent air forced cooling system, as well as a fast and simple installation.

One industrial embedded PC and 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 contact-less user identification system (RFID), allowing proper validation, billing procedures and statistical use reports.

- **Very short charging times**, typically between 15 and 30 minutes.
- **Weather-resistant** thanks to a special coating against corrosion.
- **Very easy and inexpensive maintenance** due to the separation of the cooling system from the power electronics section. No air filters needed.
- **Very low noise levels**, almost inaudible charge.
- **Fully customizable**, color and logo of the customer on request
- Easy charging process guided by a **robust vandal-proof color display**

**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 Charge Station



DC



50 kW



Ultra fast



RFID



Open Charge Point Protocol



CHAdEMO

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

INPUT	
Supply voltage	400VAC ± 10%-3 phases+earth
Frequency	50-60Hz ± 5%
Input current	80A
Input power	55.4kVA
Power factor	>0.95 at maximum power
OUTPUT	
Maximum output power	50kW
Maximum output current	120A <sup>(1)</sup>
Maximum output voltage	500V
Minimum output voltage	50V
SAFETY AND ELECTRICAL SPECIFICATIONS	
Efficiency	95% <sup>(2)</sup>
Short-circuit protection	Yes
Over-current protection	Yes
Differential protection in AC	Yes
Differential protection in DC	Yes
Emergency Stop button	Yes
Isolation system	HF Transformer
Charging mode	Mode 4 (IEC 61851-1)
Charging protocol	CHAdMO
Connector	JEVS G105
MECHANICAL SPECIFICATIONS	
Housing	Stainless steel
Size (height x width x depth)	1900x800x600mm <sup>(3)</sup>
Weight	420kg
Protection	IP55, IK9
Cooling	Forced air
ENVIRONMENTAL CONDITIONS	
Environment temperature	-10 to +40°C <sup>(4)</sup>
Maximum humidity	90% without condensation

APPLICABLE STANDARDS	
CE certification	
CHAdMO certification	
USER INTERFACE	
Screen	TFT Led 5.7" color display (IK9)
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
OCPP communication protocol	Optional
IDENTIFICATION SYSTEM	
RFID reader	ISO 14443 Type A 13.56MHz <sup>(5)</sup>
OPTIONALS	
Anti-graffiti coating	On request
Low temperature option	-25 to +40°C
(1) Limited by the YAZAKI connector.	
(2) For rated power.	
(3) Height with socket of 100mm included.	
(4) -25 to +40°C with low temperature option	
(5) Other RFID cards under request	
Specifications subjected to minor changes.	

#### HEADQUARTERS

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#### SUBSIDIARIES

**Germany**  
GH Induction Deutschland GmbH.  
**France**  
GH Electrothermie S.A.S.  
**India**  
GH Induction India Pvt. Ltd.  
**China**  
GH Induction Equipment Shanghai Co. LTD

#### Brazil

GH Indução Do Brasil LTDA.  
**Mexico**  
GH Mexicana S.A. de C.V.  
**Argentina**  
Tatra S.A.I.C.  
**USA**  
GH Induction Atmospheres LLC