



Description

EVERFLASH DUO is a 50kW ultra-fast DC charger for electric vehicles, which complies with the CHAdeMO and the CCS charging protocols.

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



OCPP.
Open Charge Point Protocol



CHAdeMO

www.gheverdrive.com

INPUT		APPLICABLE STANDARDS	
Supply voltage	400VAC \pm 10%-3 phases+earth	CE certification	
Frequency	50-60Hz \pm 5%	CHAdeMO certification	
Input current	80A	ENVIRONMENTAL CONDITIONS	
Input power	55.4kVA	Environment temperature	-10 to +40°C ⁽⁴⁾
Power factor	>0.95 at maximum power	Maximum humidity	90% without condensation
OUTPUT		USER INTERFACE	
Maximum output power	50kW	Screen	TFT Led 5.7" color display (IK9)
Maximum output current	120A ⁽¹⁾ (CHAdeMO) 125A (Combo-2)	Push buttons	Start-stop illuminated push buttons.
Maximum output voltage	500V	Information	<ul style="list-style-type: none"> State of Charge of the battery Charging time Estimated remaining time for end of charging and elapsed time Connection failure information Output energy, power, voltage and current
Minimum output voltage	50V	User-interface languages	Spanish, English, German, Danish, Norwegian Portuguese. Other languages also available on request
SAFETY AND ELECTRICAL SPECIFICATIONS		COMMUNICATION	
Efficiency	95% ⁽²⁾	Ethernet	yes
Short-circuit protection	Yes	GSM/GPRS modem	Optional
Over-current protection	Yes	OCPP communication protocol	Optional
Differential protection in AC	Yes	IDENTIFICATION SYSTEM	
Differential protection in DC	Yes	RFID reader	ISO 14443 Type A 13.56MHz ⁽⁵⁾
Emergency Stop button	Yes	OPTIONALS	
Isolation system	HF Transformer	Anti-graffiti coating	On request
Charging mode	Mode 4 (IEC 61851-1)	Low temperature option	-25 to +40°C
Charging protocol	CHAdeMO EN61851-23 / DIN 70121 Combo-2	<p>(1) Limited by the YAZAKI connector.</p> <p>(2) For rated power.</p> <p>(3) Height with socket of 100mm included.</p> <p>(4) -25 to +40°C with low temperature option</p> <p>(5) Other RFID cards under request</p>	
Connector	JEVS G105 CHAdeMO Combo-2	Specifications subjected to minor changes.	
MECHANICAL SPECIFICATIONS			
Housing	Stainless steel		
Size (height x width x depth)	1900x1000x600mm ⁽³⁾		
Weight	460kg		
Protection	IP55, IK9		
Cooling	Forced air		

HEADQUARTERS

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