

The GYSFLASH 51.48 CNT FV is a high-power, 50 A, INTERNET-CONNECTED charger featuring inverter technology. It maintains 6, 12, 24, 36 or 48 V, lead or lithium batteries (standard lithium ion and lithium iron phosphate) at a perfectly stabilised voltage during the diagnostic phases. It also guarantees high-quality charging for maintaining even the most advanced vehicles. Its USB connection means that it can be fully customised.

FOUR OPERATING MODES

- **Charging:** for 6, 12, 24, 36, 48 V, lead or lithium batteries from 10 - 600 Ah.
- **Diagnostics :** supports automotive batteries, up to 50 A, during the diagnostic phase in maintenance workshops.
- **Showroom :** ensures current compensation when using a demonstration vehicle's electrical equipment. It also manages the battery's optimal state of charge.
- **Testing :** monitors the battery's voltage and evaluates the starting system (starter and battery) as well as the condition of the vehicle's alternator.

100% INTERNET CONNECTED

- Add, delete or edit charging modes and profiles via the USB key.
- Import predefined configuration files perfectly tailored to the current charging tasks.
- Recover history and charging data from a USB key and analyse it in a spreadsheet.
- Connect additional modules (printer, bar-code reader, etc.) using the smart module connection (SMC).

BRILLIANT FOR CHARGING TRACTION BATTERIES

- This cutting-edge smart charger, the GYSFLASH 51.48 CNT, boasts an adjustable voltage level between 6 - 48 V, it perfectly maintains **all types of traction battery (lead or lithium)**.
- **Two charging profiles** (*out of an available 12*) and a **setting configuration**, developed by our GYS engineers and which can be downloaded from our website, are specifically designed for forklift batteries, aerial work platforms and scrubber-driers, etc.

A traction battery's charging time depends on its capacity									
I	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h
50 A	210 Ah	230 Ah	280 Ah	315 Ah	350 Ah	380 Ah	415 Ah	450 Ah	500 Ah

DESIGNED FOR PARALLELISATION

The GYSFLASH 51.48 CNT's horizontal design facilitates parallelisation. Setting up several superimposed chargers, connected by SHM and PHM modules, **makes it one very powerful 48 V charger** (100 - 200 A).

AUTOMATIC CHARGING

- A specialised, **eight-stage, lead-battery charging** curve (nine stages in traction) or a **nine-stage, unsupervised, lithium-battery charging** curve.
- 'Auto-Detect' and 'Auto-Restart' functions automate the charging process when the battery is plugged in or during power cuts.
- Recovers deeply discharged batteries (> 2 V) with its automatic SOS Recovery stage.

TECHNOLOGIES & ADVANCED FEATURES

- Flexible Voltage **FV** technology, the charger works with a supply voltage anywhere between 85 - 265 V.
- **Controls and calibrates cables**
- **Locking** prevents tampering, making it ideal for garages and exhibition centres.

ULTRA-SECURE

The GYSFLASH 51.48 CNT **protects the vehicle's on-board electronics, guards against misuse** and **prevents the internal electronics from overheating** thanks to its integrated temperature sensor.



SMC USB

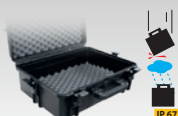
Comes supplied with cables (5 m - 16 mm²)

Simple-to-use HMI available in 22 languages



OPTIONAL Extras

compatible cables

Wall-mounted shelf
055513Carry case
060432Anderson Cable > Clamps
056503 - (2.5 m, 16 mm²)
056572 - (8 m, 16 mm²)Anderson Cable > NATO
026810 - (5 m, 16 mm²)Anderson Cable > Texas
055902 - (0.2 m, 16 mm²)
028791 - (1 m, 16 mm²)Anderson Cable > REMA
069091 - (5 m, 16 mm²)Anderson cable 175 A
069107 - (5 m, 16 mm²)NATO connection
026780

V	50/60 Hz		I _{charge}	Charge	Z _z	Wave/ Ripple	Charging curve		25°C @100%	40°C @100%	kg	mm	SOS recovery	IP		
6 / 12 / 24 V	100 - 240 V AC	1,500 W	50 A	10 < 600 Ah	<0.2 Ah / month	<150 mV Rms	IU _o U	eight-stage (Pb) nine-stage (Lithium)	50 A	28 A	5.95	340 x 150 x 240	Automatic > 2 V	IP 20	80 A	5 m
36 / 48 V	100 - 127 V AC	1,500 W	25 A	10 < 300 Ah					50 A	41 A						
	220 - 240 V AC	3200 W	50 A	10 < 600 Ah					26 A	20 A						
									48 A	37 A						