

The GYSFLASH 51.48 CNT FV is a high-power, 50 A, INTERNET-CONNECTED charger featuring inverter technology. It maintains 6, 12, 16, 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, 16, 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 | | | | |
|-------------|--|-----|------|------|------|
| | 6 h | 8 h | 10 h | 12 h | 14 h |
| Liquid (Ah) | 260 | 360 | 480 | 610 | 790 |
| GEL (Ah) | - | 260 | 330 | 400 | 470 |

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

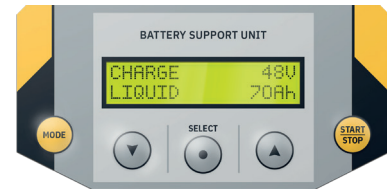
The GYSFLASH 51.48 CNT **protects the vehicle's on-board electronics, guards against misuse and prevents the internal electronics from overheating** thanks to its integrated temperature sensor.



SMC USB



Comes supplied with cables (5 m - 10 mm²)

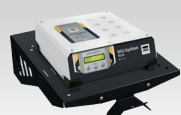


Simple-to-use HMI available in 22 languages



CNT MODULES

OPTIONAL Extras



Wall-mounted shelf
055513



Carry case
060432



Anderson 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

compatible cables

| 50 / 60 Hz | | V | I max | 25°C @100% | 40°C @100% | Charge | START MINI | IP | L | mm ² | SHOWROOM CONNECT | kg | cm | L x W x H cm / kg | |
|-------------|--------|-------|-----------|------------------------------|------------------------------|------------------------------|-------------|-----|----|-----------------|------------------|------|-----|-------------------|--------------------|
| 220 > 240 V | 3200 W | 2,5 m | 6/12/24 V | 50 A | 230 V : 49 A 110 V : 44 A | 230 V : 39 A 110 V : 21 A | 10 > 600 Ah | 1 V | 20 | 5 m | 10 | ø M6 | 5,6 | 32,5 x 13 x 27,2 | 41 x 39 x 22,5 / 9 |
| 100 > 127 V | 1500 W | | 36/48 V | 230 V : 50 A 110 V : 25 A | 230 V : 45 A 110 V : 26 A | 230 V : 35 A 110 V : 19 A | | | | | | | | | |