

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

	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 mm<sup>2</sup>)



Simple-to-use HMI available in 22 languages



### CNT MODULES



### OPTIONAL Extras

#### compatible cables



Wall-mounted shelf  
055513



Carry case  
060432



Anderson Cable > Clamps  
056503 - (2.5 m, 16 mm<sup>2</sup>)  
056572 - (8 m, 16 mm<sup>2</sup>)



Anderson Cable > NATO  
026810 - (5 m, 16 mm<sup>2</sup>)



Anderson Cable > Texas  
055902 - (0.2 m, 16 mm<sup>2</sup>)  
028791 - (1 m, 16 mm<sup>2</sup>)



Anderson Cable > REMA  
069091 - (5 m, 16 mm<sup>2</sup>)



Anderson Cable > 175 A  
069107 - (5 m, 16 mm<sup>2</sup>)



NATO connection  
026780

V	50/60 Hz	⚡	I <sub>charge</sub>	Charge	Zz	Wave/Ripple	Charging curve	Staircase	25°C @100%	40°C @100%	kg	mm	SOS recovery	IP	80 A	2.5 m
6 / 12 / 24 V	100 - 240 V AC	800 W	50 A	10 < 600 Ah	<0.2 Ah / month	<150 mV Rms	IU <sub>o</sub> I <sub>o</sub> U	eight-stage (Pb) nine-stage (Lithium)	44 A	28 A	5.95	340 x 150 x 240	Automatic > 2 V	IP 20	80 A	2.5 m
36 / 48 V	100 - 127 V AC	800 W	25 A	10 < 300 Ah					49 A	41 A						
	220 - 240 V AC	1600 W	50 A	10 < 600 Ah					26 A	20 A						
								45 A	37 A							