

The GYSflash 70-24 HF is a high powered stabilised power supply incorporating SMPS (Switch Mode Power Supply) technology.

The machine has 3 functions:

- Can sustain the vehicles electrical supply during diagnostic work
- Will charge 6V/12V & 24V starter batteries (Light vehicles or trucks) as well as traction batteries.
- Will ensure an ideal charging cycle for battery maintenance for the most modern vehicles.
- In « change battery » mode will maintain electrical supply to preserve vehicle memory settings.

### « Charge » Mode

#### → Starter Batteries:

6V/12V/24V lead batteries, liquid or gel electrolyte

#### → Traction Batteries:

6V/12V/24V lead batteries with liquid electrolyte

#### → Inverter SMPS technology:

Reduces charging time by up to 50% compared to conventional chargers capable of a full 100% battery charge



- **Advanced functions:** - Timer: Delayed charge  
- Floating mode

### « SOS Recovery » Function for sulphated batteries

Specially developed for batteries which have **started the sulphation process** and which cannot be recharged using a conventional charger. The 70-24 HF starts a **specific 24 hour regeneration cycle**. SOS Recovery can rescue as many as 9 out of 10 deeply sulphated batteries.

### Diagnostic mode

The GYSflash 70-24 HF supplies up to 70A in 12V and up to 35A in 24V to provide a stabilised voltage and maintain the vehicle during diagnostic testing, compensating for current used by high-energy consumers (engine fan, window regulator etc).

- Avoids risk of damage to components and data loss due to voltage reduction
- Also recommended for use during battery changes



- **Input supply universal to all countries from 100V to 240V:** Automatically adapts to outlet voltage

- **Cable Calibration function (in case of change/wear):** The Inverter 70 will check and calibrate the cables connected to the charger (length and section) in order to ensure accurate voltage is maintained through the cables.

- **Comprehensive protection of on-board electronics, the charger itself, the battery and the user:**

- ✓ Zero voltage supplied to the clamps if they are not connected to a battery.
- ✓ Automatic detection and check of battery voltage.
- ✓ Protection against short-circuits and polarity reversal
- ✓ Anti spark system.
- ✓ Automatic compensation for mains variations.

- Removable charge cables 16mm<sup>2</sup> x 2.5m (Anderson connector)
- Isolated charge clamps with braid – detachable power cable supplied



### DIAG Function (12V or 24V mode)

70-24 HF stabilises battery voltage to 13.5V or 27V

### DIAG + Function (12V mode only)

70-24 HF enables user defined voltage level to be set in the range 12V -15V (+/- 0.1V)

#### Traction Batteries

45 • 225 Ah (8h)	45 • 125 Ah (8h)
45 • 450 Ah (14h)	45 • 225 Ah (14h)

#### Starter Batteries

10 • 850 Ah	10 • 425 Ah			

CE EN 60335-2-29

50/60Hz	Power	Voltage	START mini	BOOST	EQUALIZE / ABSORPTION		FLOATING	BSU		FUSE	Dimensions	Weight	SOS Recovery
					Gel	Liquid		diag	diag+				
85>265V	575W	6V	1V	1>70A	7V	7,3V	6,8V	-	-	80A	48x32,5x16 cm	7,8 kg	✓
85>265V	1150W	12V	1V	1>70A	13,9V	14,6V	13,6V	13,5V	12>15V	80A	48x32,5x16 cm	7,8 kg	✓
85>265V	1150W	24V	1V	1>35A	27,8V	29,2V	27,2V	27V	-	80A	48x32,5x16 cm	7,8 kg	✓