

THE GYS 1-2-3 TEST

It's now been a long time since workshops first started to see new battery technology

Since the introduction of AGM and EFB batteries, the advancement of battery technology and related vehicle electronics has

become even more complex, with workshops now starting to see the emergence of Lithium technology on some of the latest vehicles.

The modern workshop now has to take extreme care when carrying out previously simple tasks, such as changing a battery, charging or starting a vehicle, or carrying out diagnostic work.

So, are all workshops properly equipped to work with this latest technology? To help answer this question, GYS developed the 1-2-3 test, backed up by a detailed technical guide. This guide enables garage owners to benchmark their testing, starting and charging equipment, as well as working practices against three fundamental points to ensure they comply with the necessary requirements. The GYS 1-2-3 test invites workshop managers

to audit their existing equipment against the following criteria:

1 - Safety

- Does it provide protection for the vehicles electronics
- Is it safe to charge the battery in-situ
- Does it have polarity reversal protection
- Does it have incorrect voltage protection



2 - All Lead-Acid Battery types

- Is it SMART – does it have advanced charging curves to suit the battery type - e.g. AGM, EFB, Stop/Start, Silver Calcium

3 - Universal Mode

- Does it have a function, which allows the user to safely charge the battery when the battery type is not known



Technicians will have almost certainly experienced the difficulty in locating, and identifying the battery type in many vehicles. The universal mode offers a solution to simply connect and go, giving the assurance that the charge will be conducted safely, without requiring the technician to identify the battery type.

GYS is the largest manufacturer of Professional Starting, Charging and Testing equipment that meets the 1-2-3 test requirements.

The Future - 120 Amp Battery Support Unit ... with Connected Technology

The pinnacle of the GYS Battery Maintenance product range, is the GYSFLASH 120 Amp Battery Support Unit. When "engine off, ignition on" work is being undertaken on a vehicle, it is essential that a constant power supply is maintained. This prevents loss of data and avoids the potential for costly damage to electronic

control units during diagnostic work, software updates, and module reprogramming. While this work is in progress, the vehicles electronic systems are operating from the battery alone, so choosing the right Battery Support Unit to maintain battery charge is essential.

To meet the demand for ever increasing power supply during this work, GYS, has launched its most powerful and technologically advanced Battery Support Unit to date.

GYS leads the market for Battery Support Units with the GYSFLASH PRO range which have outputs of 30A, 50A, and 100A. The GYSFLASH 121.12 CNT FV has a powerful 120A output, and can be used in one of four operating modes - diagnostics, charging, showroom and tester.

Vehicle manufacturer specifications determine the vehicle's voltage requirements from a Battery Support Unit. The GYSFLASH 121.12 CNT FV can supply 12V to 14.8V, which is easily adjustable by the user, in 0.1V increments.

More recently, GYS have introduced CONNECTED TECHNOLOGY, meaning the charger can be connected to a keyboard to enter customer, vehicle or battery details; a barcode scanner to identify the battery (if it has a bar code attached), a printer to report battery charge data; and it is now able to receive software updates, and where there is a demand for changes in a charging curve to meet specific vehicle manufacturer requirements.

In addition to its advanced Battery Support Unit capabilities, it is an extremely sophisticated battery charger, suitable for charging all lead acid battery types, as well as the latest generation of Lithium (LiFePO4) batteries, offering advanced protection for vehicle electronics, ensuring it is safe to use over extended periods. Lithium batteries require a specific charging curve, GYS have worked with Lithium



battery manufacturers to develop and meet this requirement.

The GYSFLASH 121.12 CNT FV is supplied with five metre heavy duty cables and connectors. A range of accessories are also available for the GYSFLASH PRO range, including a trolley, wall support unit, and heavy-duty case.

For more information:
www.gys-welding.com



Safe Battery Charging from GYS



GYSFLASH 30.12PL

Total Charging Solution & Light Duty Battery Support

Safe charging for all Lead acid batteries (VRLA, AGM, EFB & GEL)

Safe charging for **Lithium LiFePO₄** batteries

30A output for Battery Support - for servicing and diagnostics



ref 026070

£228.00
EX VAT

GYSFLASH 100.12 HF

Professional Battery Support & Charging

Powerful 100A Battery Support for the most demanding tasks

Safe to charge VRLA, AGM, EFB and GEL batteries

Adjustable battery support voltage from 12-14.8V



MARKET LEADER



ref 029453

£669.00
EX VAT

GYSFLASH 121.12 CONNECTED

Most Advanced Battery Support & Charging

Powerful 120A Battery Support

Adjustable battery support voltage from 12-14.8V

Connected: USB for future software updates

Keyboard, printer & bar code scanner connectivity (optional)

Safe to charge VRLA, AGM, EFB and GEL batteries

Safe charging of **Lithium LiFePO₄** batteries



CONNECTED TECHNOLOGY



ref 027756

£899.00
EX VAT



No.1 Manufacturer Of Inverter Welding Equipment In Europe | World Leader In Car Body Welding Equipment
Leader in Professional Battery Maintenance Equipment

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Prices correct at time of going to press - subject to change