

INVERTER BATTERY SUPPORT UNIT

GYS

70-12 HF (SMPS)

The Inverter 70.12 is a high powered, stabilised power supply incorporating SMPS (Switch Mode Power Supply) technology

The machine has 3 functions :

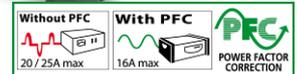
- Will sustain 12V systems during diagnostic work removing the dependence on the vehicle battery.
- Will ensure an ideal charging cycle for battery maintenance for the most modern vehicles
- In « Change battery » mode, will maintain electrical supply to preserve vehicle memory settings

« Charge » mode

→ Constant current and voltage (IUoU curve) :

→ Inverter SMPS technology :

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



CHARGE
70A 13.2V

BATTERY CHARGED

Current / charge voltage
Status of the charge

« Change Battery » mode

70-12 HF ensures a stabilised power supply to the vehicle during battery replacement to preserve memory settings

CHANGE BATTERY
I=18.0A

Current being delivered by the charger

« Diagnostic » mode

The Inverter 70.12 HF supplies up to 70A in 12V to provide and maintain a stabilised voltage to the vehicle during diagnostic testing - compensating for current used by high-energy consumers (engine fan, window regulator etc...)

DIAG Mode

70-12 HF delivers a 13.5V stabilised voltage

DIAG U=13.5V
I=60.0A

Voltage and current delivered by the charger

DIAG + Function

70-12 HF delivers a voltage defined by the user : between 12 and 15V (0.1V steps).

DIAG+ U=14.8V
I=60.0A

Voltage and current delivered by the charger

Consumption alert :

To avoid deep battery discharge the 70-12 HF indicates if consumption is over 70A.

DIAGNOSTIC
CONSUMPTION>70A

+Warning Buzzer
if consumption >70A

Advanced Functions

Delayed charge (charge mode) :

Can delay charge cycle for up to 24H

Floating mode (charge mode - optional):

Maintains a 100% battery charge after the end of the cycle

Cable Calibration function (in case of change/wear) :

Calibrates the charger according to the specification of the cables connected (length and section) in order to manage voltage drops through the cables.

Comprehensive protection

Protection for the on board electronics, the charger itself, the battery and the user :

- ✓ Automatic detection and check of the battery voltage
- ✓ Zero voltage is supplied to the clamps if not connected to a battery
- ✓ Protection against polarity reversals
- ✓ Anti spark system
- ✓ Isolated charge clamps with braid
- ✓ Protected against short circuits
- ✓ IP 21



Inverter Trolley
Ref. 054608

7 languages available

Self adaptable outlet voltage universal to all countries from 100V to 240V

Detachable 16mm² x 2.5m charge cables (Anderson connector)

Detachable power cable

50/60 Hz	W	V	START mini V	CHARGER			DIAGNOSTIC ▶70A	FUSE A	cm	Kg	
				Ah	BOOST	EQUALIZE/ABSORPTION					FLOATING
100 ▶ 240V 16 A	1150	12V	1	10 ▶ 850	1...70A	14,3V 14,8V	13,6V	DIAG 13,5V DIAG+ 12V -> 15V	1x80A Inside	37x25x16	6,5

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