

DIAG-BATIUM 100,12 FV

2.5 m cables

Ref. 087552 / ref. 088443 

The **Diag-Batium 100.12 FV** is an indispensable everyday utility for every workshop, offering optimum charging and maintenance for 12 V batteries. It delivers a high power output of 100 A to meet the requirements of diagnostics and reprogramming without any loss of performance (90 A continuous). It preserves battery health, and offers superior quality charging for use on even the most sophisticated modern vehicles.

3 USER MODES

- **Lead charge:** for 12 V lead-acid batteries, from 5 to 1200 Ah.
 - **Lithium charge:** for 12 V Lithium batteries (LFP), from 5 to 1200 Ah.
 - **Diagnostic:** supports 12 V vehicle batteries, up to 100 A, during diagnostics in servicing or repair workshops.
- Supply Mode: enables the unit to be used as a stabilized power supply.

IDEAL FOR INTENSIVE DIAGNOSTIC APPLICATIONS

- The Diag-Batium **delivers a high current of 100 A** and **guarantees reliable, continuous use** for all workshop operations thanks to its very high duty cycle:
 - 230 V : 90 A @ 100%
 - 100 - 110 V : 60 A @ 100%
- The maximum output current of 100 A can be reached regardless of the mains supply.
- Voltage adjustable from 12 to 14.8 V (in 0.1 V steps) to precisely match OEM specifications.

AUTOMATIC CHARGING

- Extends the service life and performance of Lead (gel, AGM, liquid, calcium, etc.) and Lithium (LFP) batteries.
- Specific 7-step (lead-acid battery) or 9-step (lithium-iron phosphate battery) charging curve, safe to be used unattended.
- **Can be used to recover heavily discharged batteries:**
 - **Lead:** Automatic desulphation process to attempt recovery of batteries in poor condition.
 - + **'SOS' Function:** forces a charge to start when the battery voltage is too low for the unit to detect (<1 V).
 - **Lithium:** UVP Wake Up function to reactivate batteries after deep discharge.

ADVANCED TECHNOLOGY

- **FV** Flexible Voltage, the charger can operate on a supply voltage of between 95 and 265 V.
- Automatically starts charging when the charger is connected to the battery.
- Cable calibration function for if the cables are replaced or modified.

ULTRA-SAFE

- **Protects the on-board electronics of the vehicle:** protection against short-circuit, reverse polarity and overload. Spark prevention system.
- Replaceable fuse which protects against operating errors.
- Temperature sensor to prevent internal electronics overheating.



Fixed cables
2.50 m - 16 mm²

Simplified HMI
Smooth, intuitive operation



Adjustable stable voltage

50/60 Hz	⚡	I _{charge}	V	Cobrar	Z _z	Ondulation / Ripple	Charging curve	40°C @100%	25°C @100%	kg	mm	SOS recovery	IP	150 A	2,2 m
110-127 V CA	1500 W	100 A	12 V	5 < 1200 Ah	<0,2 Ah/month	<150 mV Rms	UI ₀ I ₀	52 A	60 A	5.8	320 x 235 x 136	> 2 V	IP 20	150 A	2,2 m
220-240 V CA	1600 W							84 A	90 A						