

With a power of 18 A, the GYSFLASH 18.12 PL is a smart charger designed to charge 12 V lead-acid and lithium batteries. It can also be used as a Battery Support unit and its «Showroom» mode enables to safely support and maintain showroom vehicle batteries.

## DUAL TECHNOLOGY: LEAD-ACID & LITHIUM

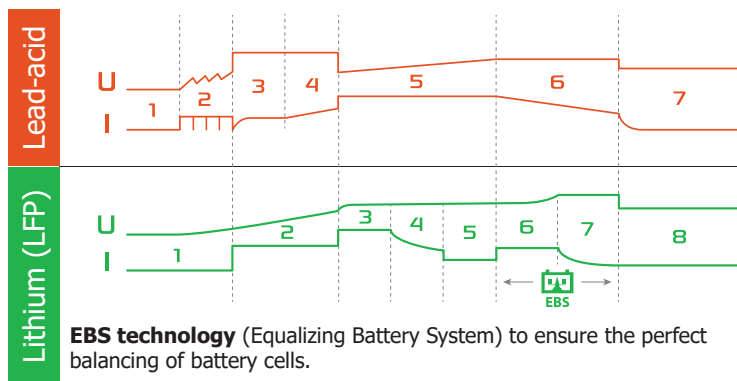
- **High performance**, 18 A duty cycle at 100% (40°C).
- **2 charging modes** :
  - Pb** : designed for every 12 V lead-acid batteries from 15 Ah to 270 Ah.
  - LiFePO<sub>4</sub>** : designed for lithium iron phosphate batteries from 7 Ah to 270 Ah.
- **3 charging currents**: 7 A, 12 A and 18 A. The user can select the charging current according to the technology and capacity of the battery.
- **Showroom mode** ⚡, ensures current compensation up to 18 A when using electrical accessories of a demonstration vehicle and during the diagnostic phase.
- **Supply mode**, provides a stabilised power supply so the GYSFlash 18:12 PL can be used as a Battery Support unit:
  - this mode can also be used during a battery change to preserve the vehicle's memory.
- Optimised maintenance charge, the charger can safely remain connected indefinitely, for example during winter, to maintain the health of the battery. The «Auto Restart» function means that the charger will memorise the settings and restart automatically in the event of a power cut.
- Will charge deeply discharged batteries from as low as 2 V.



✓ START / STOP (EFB/AGM)

## 100% AUTOMATIC CHARGE

- Extend performance and lifetime of lead-acid (gel, AGM, liquid, calcium, etc.) and LiFePO<sub>4</sub> batteries (LFP).
- **External temperature sensor**, for an optimal battery charge whether it's summer or winter. The charger adjusts its charging parameters depending on ambient temperature.



Specific 7 step charging curve for each battery technology. Can be safely left connected without supervision.

Specific charging curve in 8 steps without supervision.

«UVP\* Wake up» function: reactivates a battery in protection after a deep discharge and automatically starts the charge.

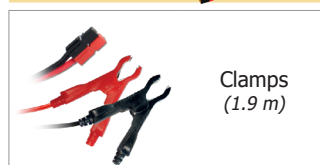
\*UVP : Under Voltage Protection

## SAFETY

- **Protection of the vehicle's on-board electronics**: protection against short circuits, polarity reversal and overcharging. Spark prevention system.
- **Automatic stand-by mode** if the battery is disconnected.
- **Integrated temperature sensor** to prevent internal electronics' overheating.
- **Simplified interface** to prevent user errors.

## ERGONOMICS

- Compact design, light and portable.
- Option (with calibration): 6 m cable (ref. 027435)
- Can be wall mounted, optional magnetic system available (ref. 026063).



ref. 026094

50 / 60 Hz	⚡	I <sub>charge</sub>	V	Charge / Maintenance	Z <sub>z</sub>	Ondulation / Ripple	Charging curve	kg	mm	mm	SOS recovery	IP	↔
220-240 V AC	300 W	7/12/18 A	12 V	Pb 15 < 270 Ah LiFePO <sub>4</sub> 7 < 270 Ah	<0.5 Ah/month	<100 mV Rms	IU <sub>0</sub> U 7 step 8 step	1.55	190 x 190 x 73	193 x 260 x 95	Automatic >2V	IP 32 IP 31	2 m